PA970
Operation Manual

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Chapter 1 Introduction

This operation manual aims at instructions of using Unitech's applications, some useful application programs under "Windows" folder, setting application under "Control Panels" and available function keys in .NET 4.2 environment.

* Based on Firmware Version: V1.08

Chapter 2 Unitech's Application

This chapter introduces some Unitech's made applications which are embedded in the firmware. These applications offer additional facilities and usage to the user besides standard WinCE applications.

Unitech's Made Applications

1. **Bootmode**
2. **Remote Desktop Connection**
3. **Func9**
4. **Main Battery Test**
5. **Rotate**
6. **Scan2Key**
7. **Scanner Setting**
8. **Virtual Keys**
9. **UWWI TEST**

2.1 Bootmode

Path: My computer/Windows/BootMode.exe

This tool allows you to perform warm boot or update OS when it is necessary.

Warm Boot

1. Double tap "BootMode".

2. Tap “Warm Reset”. The system will be warm started.

Cold Boot

Caution: Backup your data first!

1. Double tap “Boot”. Tap “Cold Reset”.

2. The terminal will be cold started.

3. Tap the “+” to calibrate the screen. Press “enter”.

Update OS

1. Double tap “Windows/Boot”.

2. Press and hold “Down arrow key”. Tap “Cold Reset”.

3. System will enter bootloader screen, ready for OS upgrade.

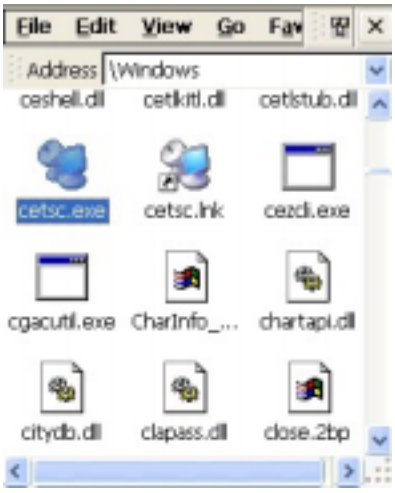
Note: For details of OS upgrade, please refer to the chapter 4 of PA970 service manual.

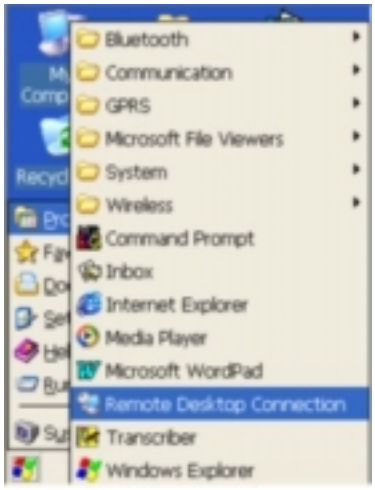
2.2 Remote Desktop Connection

Path: My computer/Windows/cetsc.exe
Path: Start/Program/Remote Desktop Connection

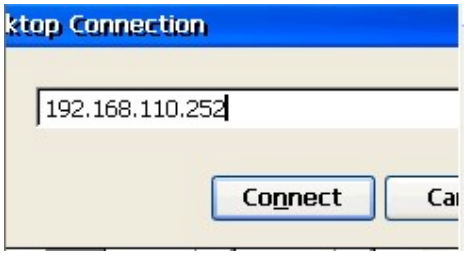
This tool allows you to remote connect to your RDP server.
Make sure your RF is running.

1. Double tap “cetsc.exe” or select / Start/Program/Remote Desktop Connection



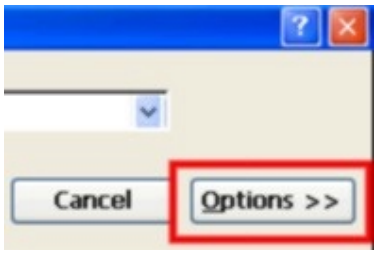


2. Enter the IP address or computer name of your RDP server. Tap “Connect”.



3. You are remote connected to the RDP server.

4. For more setting, tap “Option”.



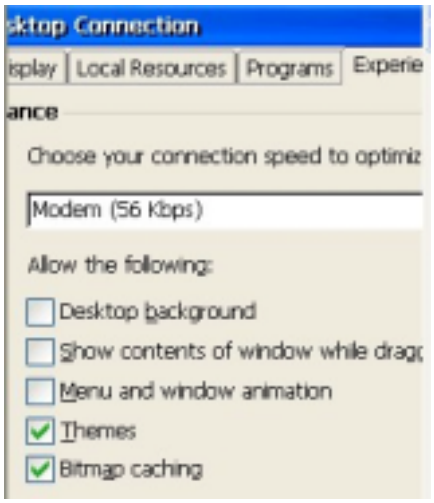
5. Under “General” tab, enter the computer name, username, password and domain of your RDP server.

6. Under “Display”, select the colors and check/uncheck “Display the connection bar”.

7. Under “Local Resources”, select the remote computer sound from the drop down list. Select the remote or local computer where keyboard setting apply to. Select the local device which you want to access when login to the remote computer. Tap “Printer” to add printer.

8. Under “Programs”, if you want to run an application once connected to the remote computer, check “Start the following program on connection”, enter the path and file name.

9. Under “Experience”, select your connection speed. Check/uncheck “Desktop Background”, “Show contents of window while dragging”, “Menu and Window animation”, “Themes”, “Bitmap caching”.

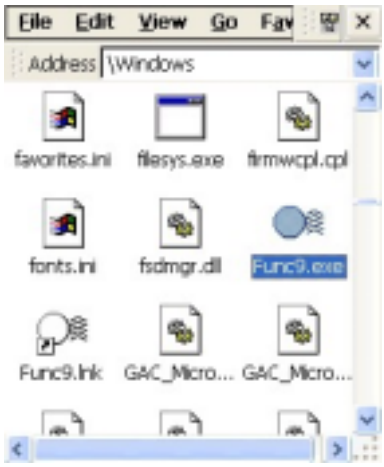


2.3 Func9

Path: My computer/Windows/Func9.exe

This tool allows you to view the system information of the terminal, include: OS version, bootloader, battery voltage, GPRS version etc.

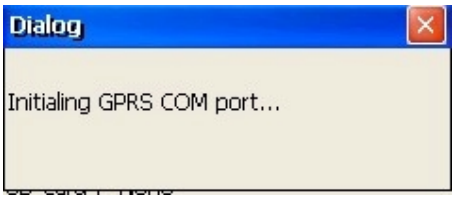
1. Double tap “Func9.exe”.

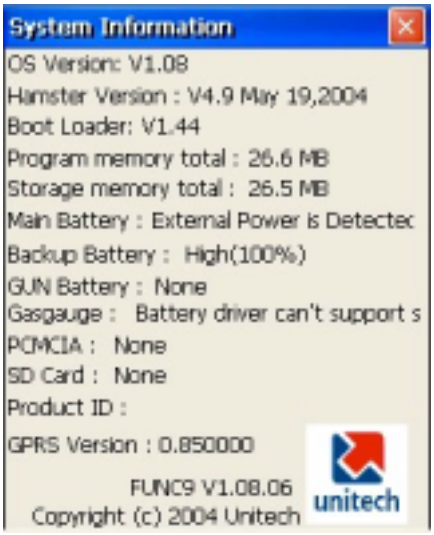


2. You will see all the system information of the terminal.

System Information
OS Version: V1.08
Hamster Version : V4.9 May 19,2004
Boot Loader: V1.44
Program memory total : 26.6 MB
Storage memory total : 26.5 MB
Main Battery : External Power is Detectec
Backup Battery : High(100%)
GUN Battery : None
Gasgauge : Battery driver can't support s
PCMCIA : None
SD Card : None
Product ID :
Get GPRS Version
FUNC9 V1.08.06
Copyright (c) 2004 Unitech
unitech

3. Tap “Get GPRS Version” to view GPRS version.




System Information
OS Version: V1.08
Hamster Version : V4.9 May 19,2004
Boot Loader: V1.44
Program memory total : 26.6 MB
Storage memory total : 26.5 MB
Main Battery : External Power is Detectec
Backup Battery : High(100%)
GUN Battery : None
Gasgauge : Battery driver can't support s
PCMCIA : None
SD Card : None
Product ID :
GPRS Version : 0.850000
FUNC9 V1.08.06
Copyright (c) 2004 Unitech
unitech

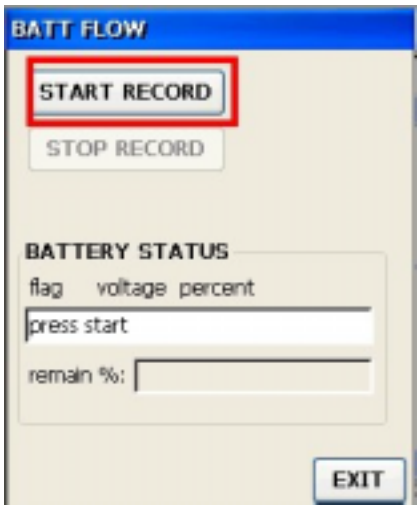
2.4 Main Battery Test

Path: My computer/Windows/MainBattTest.exe

This tool records the current status and voltage of the main battery.

1. Double tap “MainBattTest”.

2. Tap “Start Record”.



3. You will see the value under Battery Status.

4. Tap “Stop Record” and “Exit”.

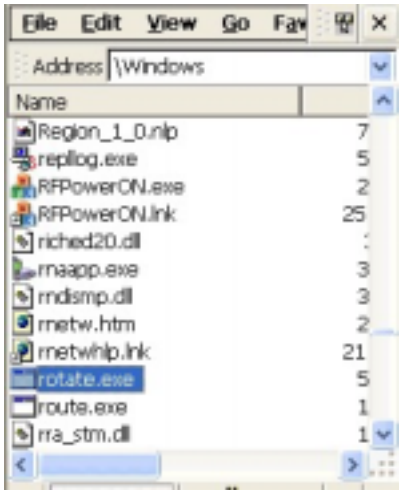
5. A file “Battery.txt” will be created with the battery record in /My Computer folder.

2.5 Rotate

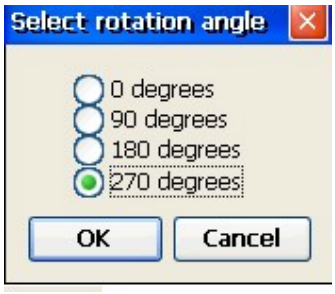
Path: My computer/Windows/Rotate.exe

This tool allows the user to rotate the screen to different angle.

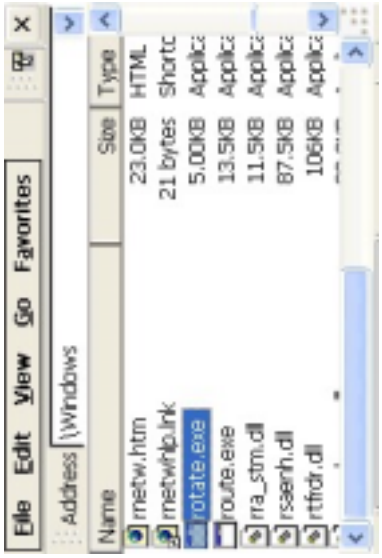
1. Double tap “Rotate.exe”.



2. Select the angle you want to rotate the screen. Tap OK.



3. Screen is rotated.

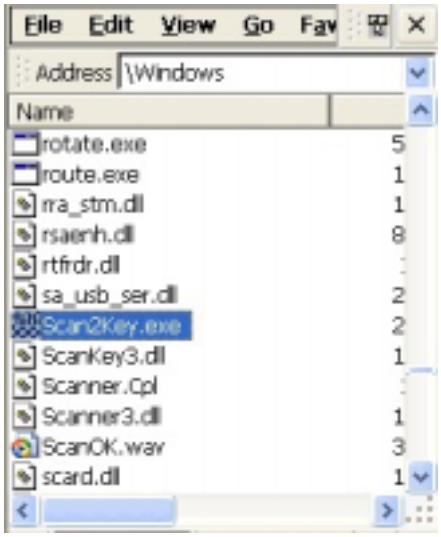


2.6 Scan2Key

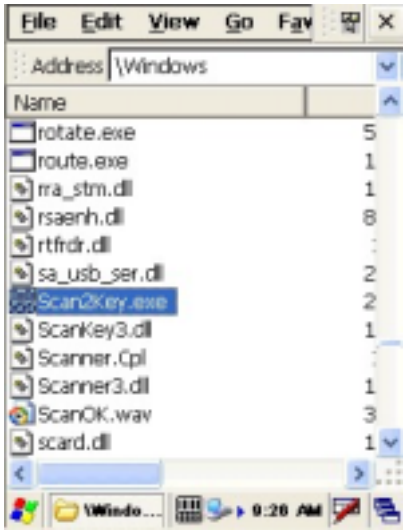
Path: /My Computer/Windows/Scan2Key.exe

Scan2Key application can route input from scanner port to keypad buffer, so that all input from scanner or magnetic reader will be treated as they are just input from keypad. With this router, scan data can be directly input into non- scanner port aware application, like MS Pocket Word.

1. Double tap “Scan2Key”.



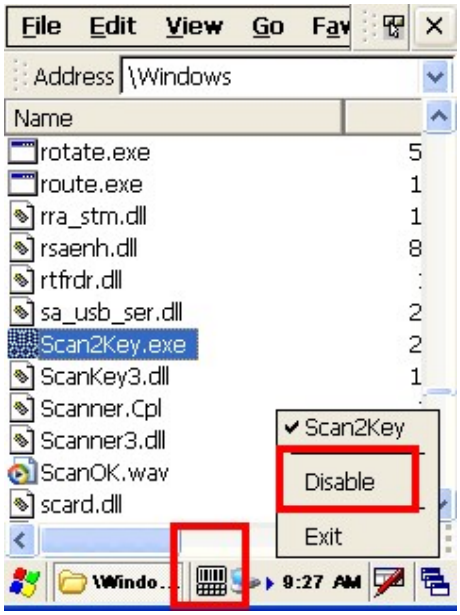
2. You will see Scan2Key icon on the task bar. Scan2Key is enabled.



3. Under “Start” > “Program”, select Microsoft Pocket Word.

4. Scan some barcodes. The barcode data will be displayed on MS Pocket Word.

5. To disable the Scan2Key, place the stylus on the Scan2Key icon on task bar, a selection menu will pop up. Select “Disable”.



6. To close Scan2Key, select “Exit” on the pop up menu.

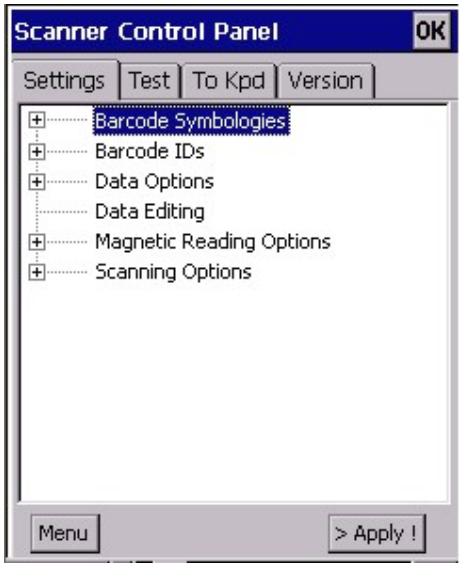
2.7 Scanner Settings

Path: Control Panel/Scanner Settings.exe

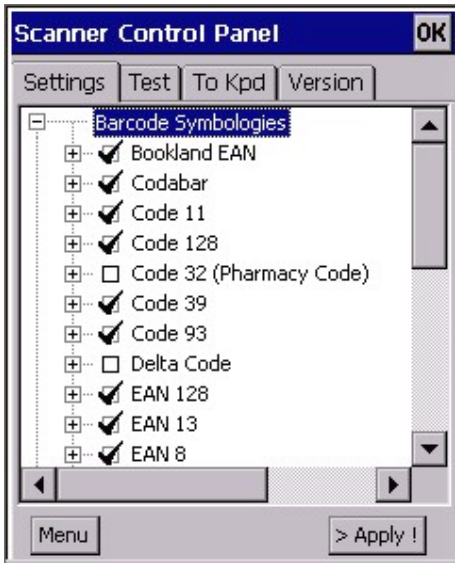
This tool allows you to make some settings on scanner such as barcode symbologies, barcode IDs, data options, data editing, scanning options in order to change the scanner behavior. Besides, it allows a scanning test. Every time change the setting, must click “Apply” button to get the effect.

1. Double tap “Scanner Settings”.

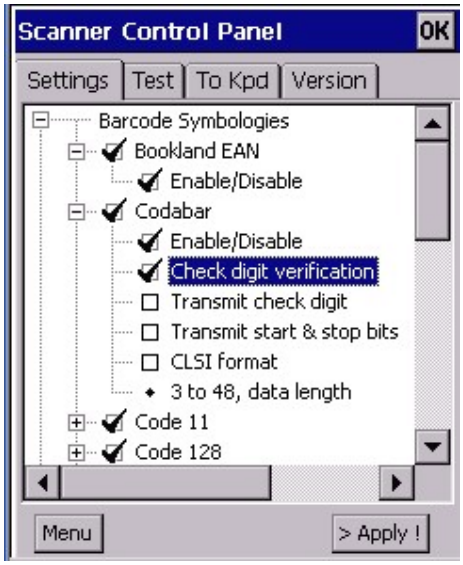
2. Under “Setting” tab, tap “Barcode Symbologies”.



3. Tap “+” in front of “Barcode Symbologies”. You will see a list of available barcode type.

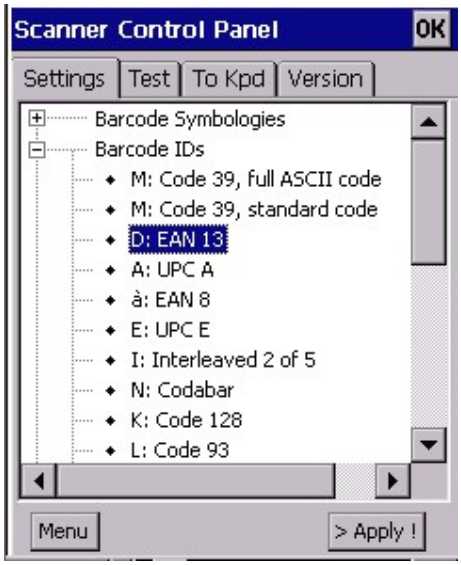


4. Tap "+" to expand the tree. Under each barcode type, there are more options such as enable/disable, check digit verification, transmit check digit etc. Tick the options that you want to apply on that barcode. Then, tap "Apply" button.

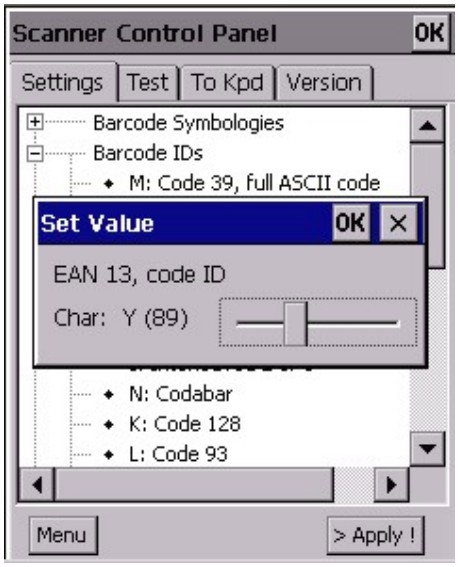


5. The scanner decoder will work as what you have specified.

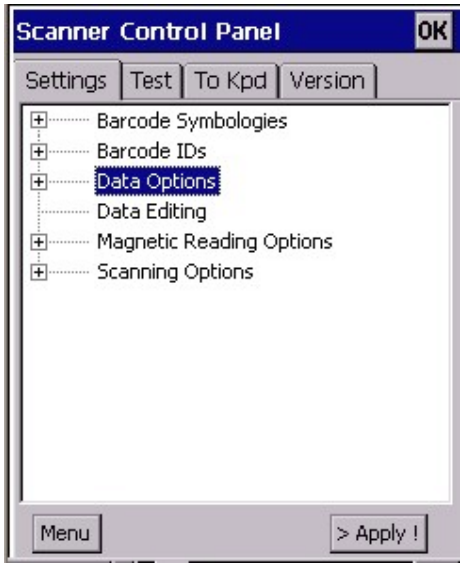
6. Tap "Barcode IDs". A list of barcode type is shown with their IDs in front.



7. Double tap the barcode type which you want to change ID. (Example: D: EAN13). Change to other ID by scrolling the button. Tap OK.

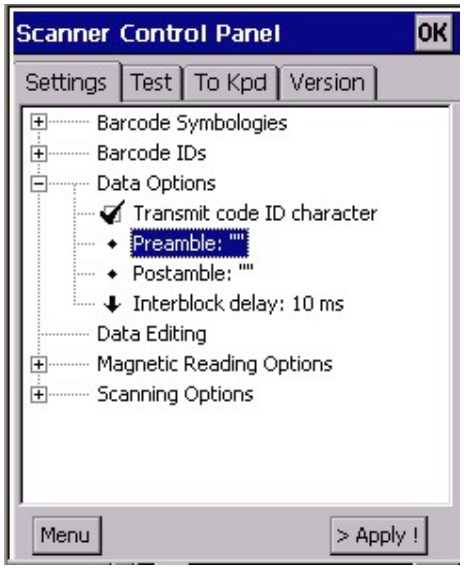


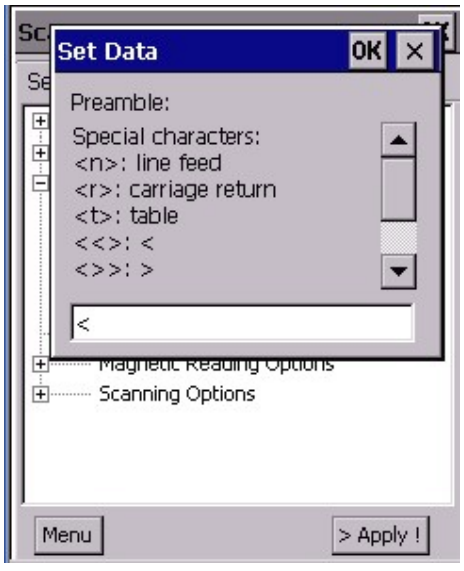
8. Tap “Data Options”.



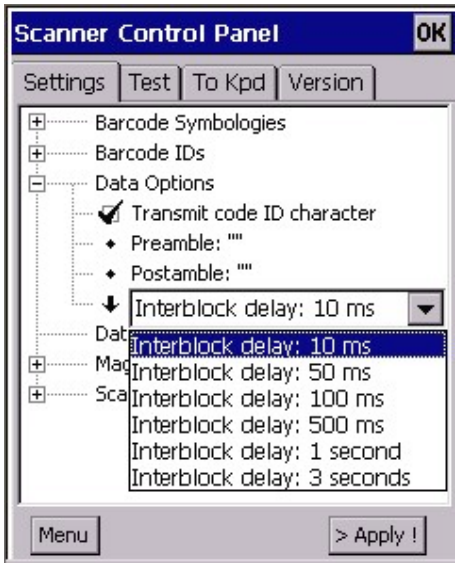
9. Tap “Transmit code ID character” if you want to transmit code ID.

10.Double tap “Preamble” or “Postamble” if you want to add them to the barcode. Key in the special character stated in the Set Data window. Tap “OK”.

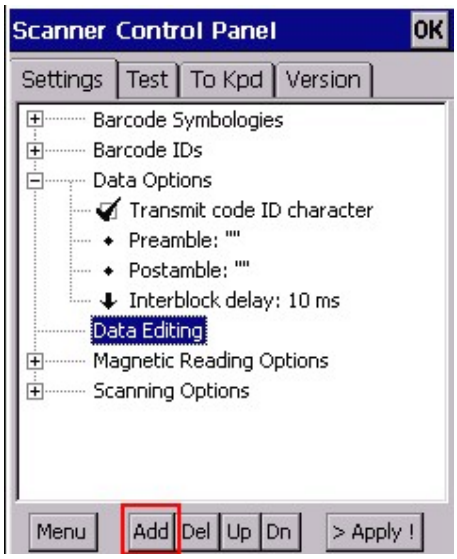


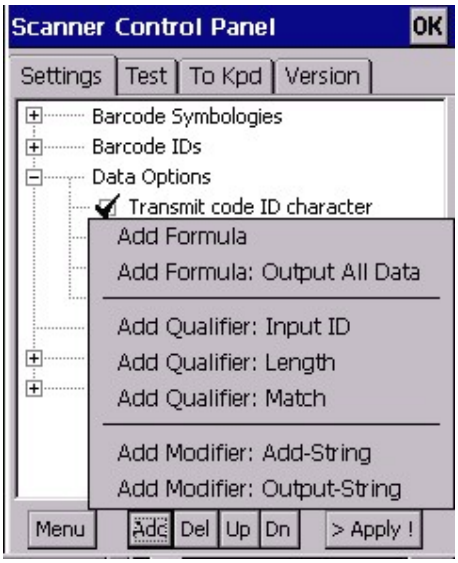


11. Double tap “Interblock delay”. Select the delay time from the drop down list.

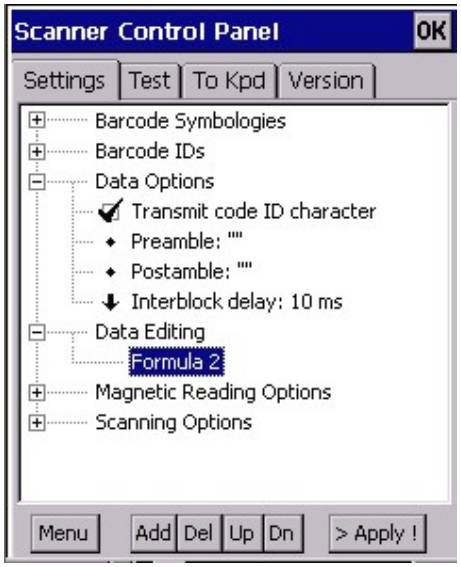


12. Tap “Data Editing”. Tap “Add” at the bottom. A menu will pop up.

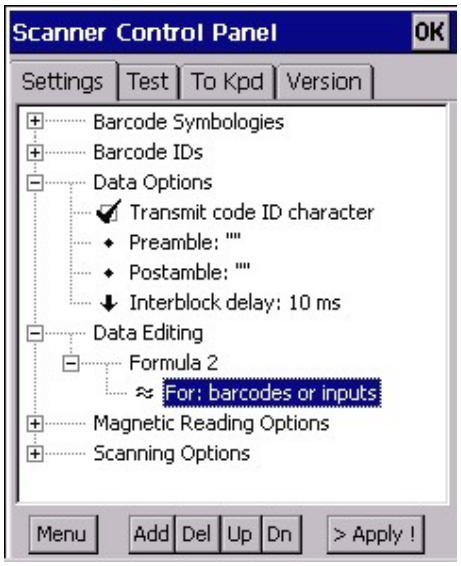




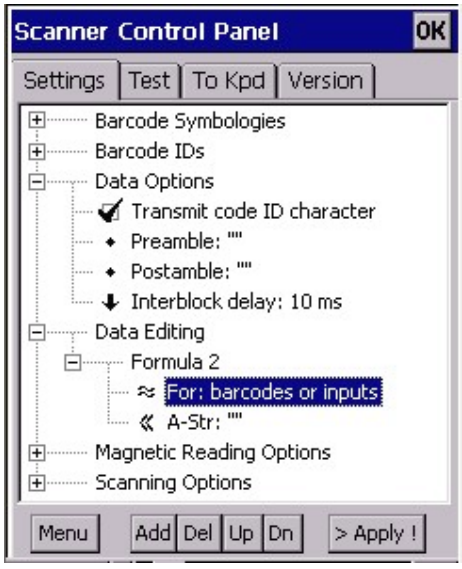
13. Select “Add Formula” or “Add Formula: Output All Data”. A formula will be added under “Data editing”.



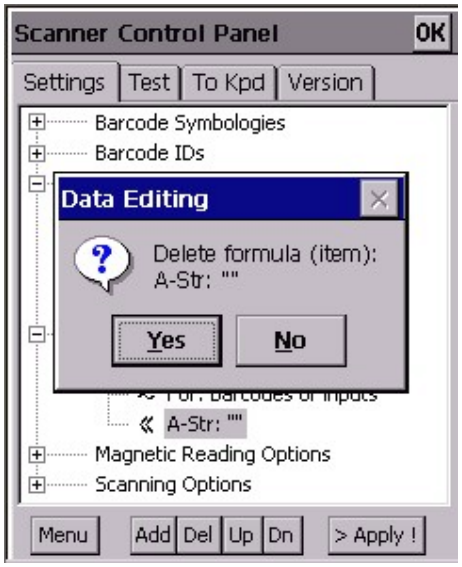
14. Tap “Formula 2”. Tap “Add” button. Select “Add Qualifier”.



15. Tap the qualifier you just added. Tap “Add” button. Select “Add modifier”.

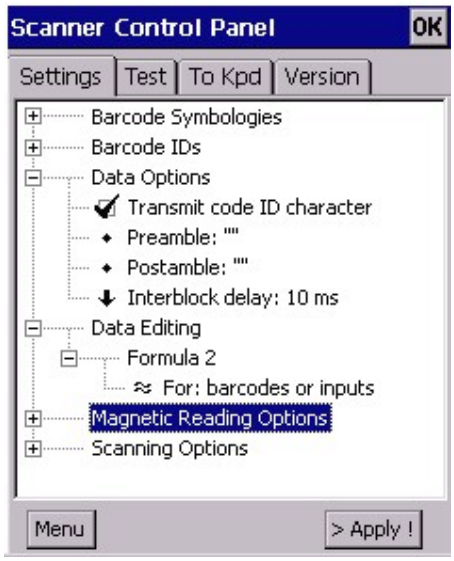


16. To delete a formula or qualifier or modifier, just tap it and tap “Del” button.

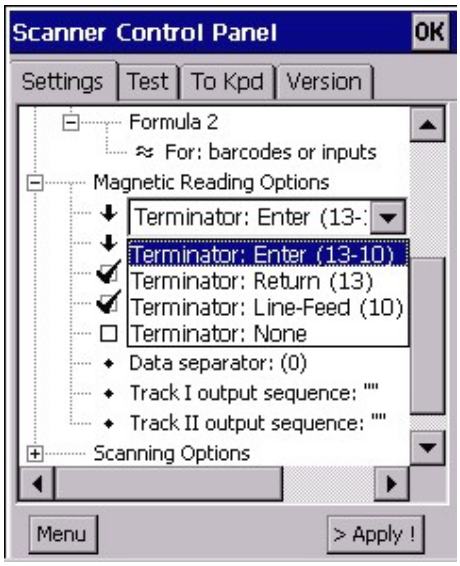


17. To add additional formula , just tap “Data Editing”, tap “Add” and select “Add Formula”.

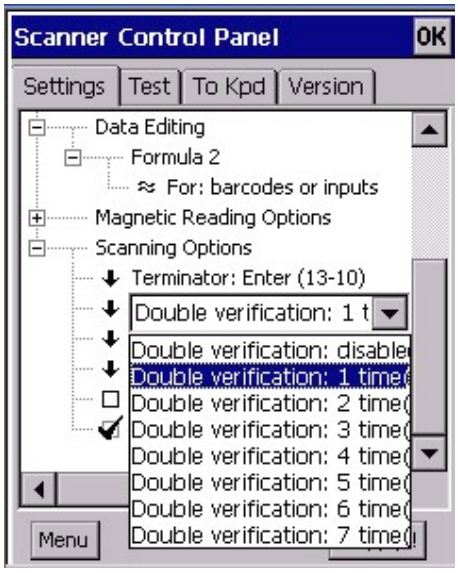
18. Double tap “Magnetic Reading Options”. (The effect will only work for MSR model).



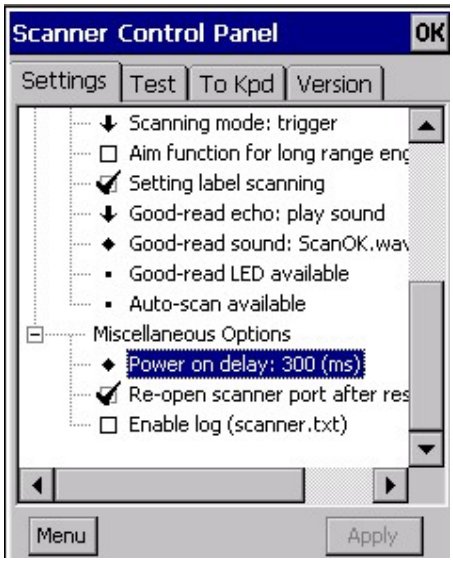
19. Double tap the options below “Magnetic Reading Options” to make settings.

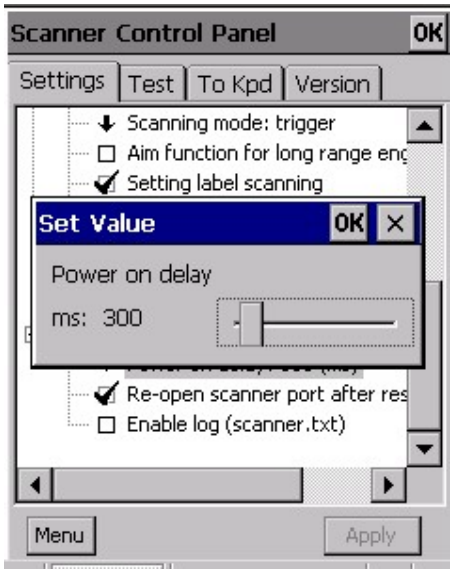


20. Tap “Scanning Options”. Double tap options below to make setting.

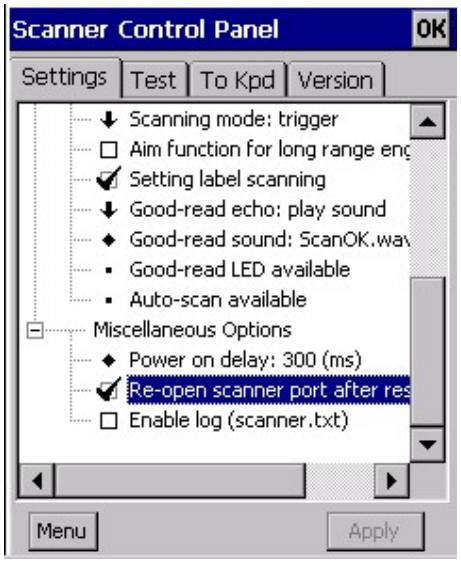


21. Tap “Miscellaneous Options”. Double tap “Power on delay: 300(ms)”. Drag to define the delay. Tap “OK”.

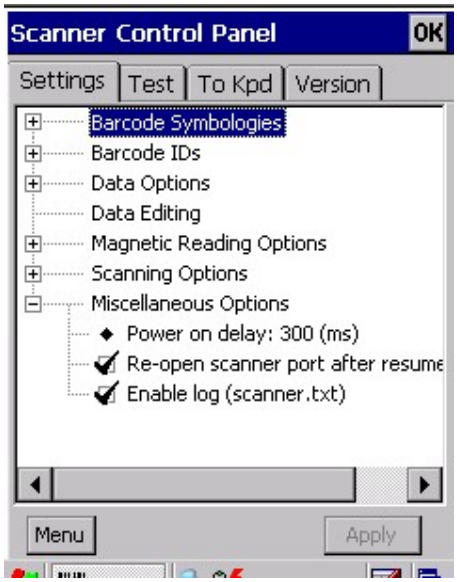


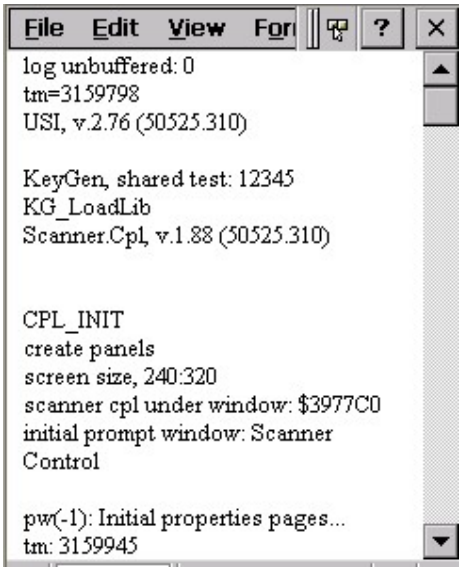


22. Check “Re-open scanner port after resume”. Scanner port will be reopen after you suspend and power on terminal.

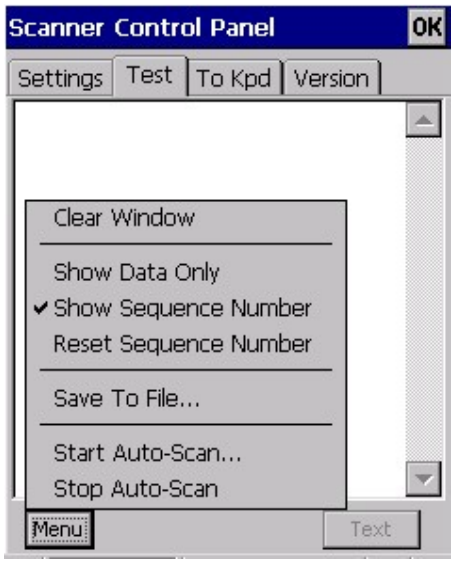


23. Check “Enable log”. The scanning data will be logged as scanner.txt in “My Computer”.

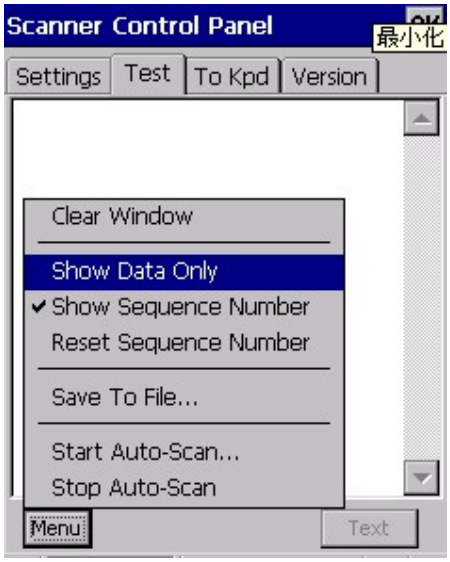


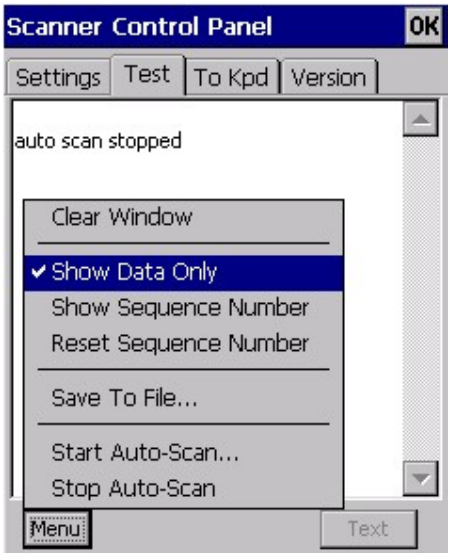


24. Under “Test” tab, tap “Menu” button at the bottom. You will see a list of menu selection.

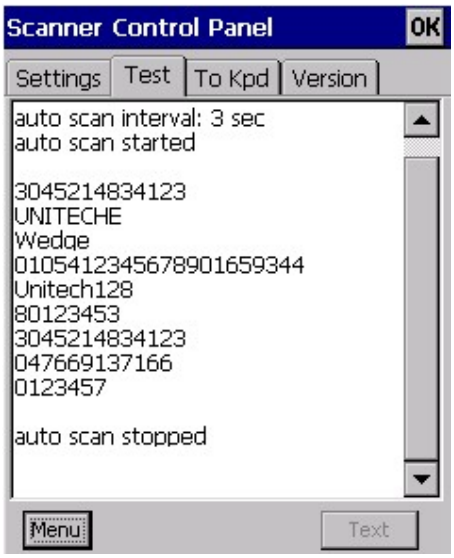


25. Select “Show Data Only”. Select “Start Auto-Scan”. Set the interval time you want the laser to emit. (Ex: 3 seconds). Tap “Start”.

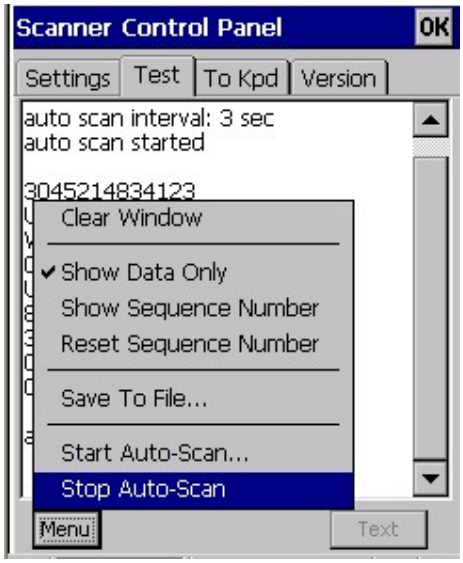




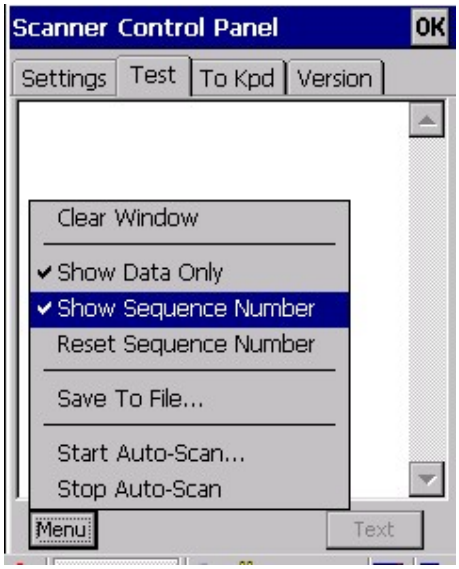
26. Laser emit every 3 seconds. Place the laser head towards to the barcodes. Barcode will be read and shown on the screen.

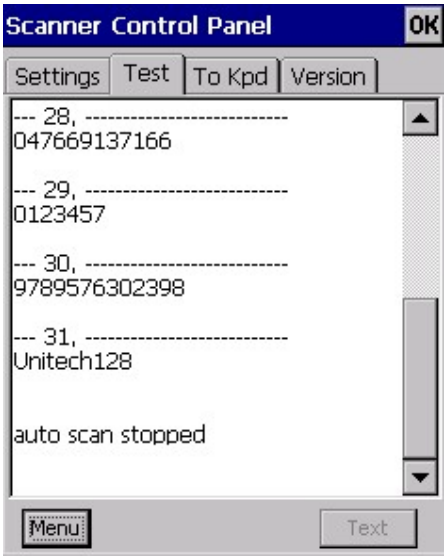


27. Tap “Menu”. Select “ Stop Auto-Scan”. Laser stop to emit.

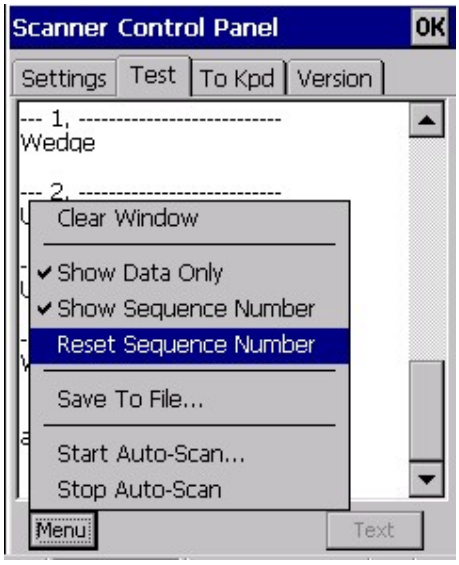


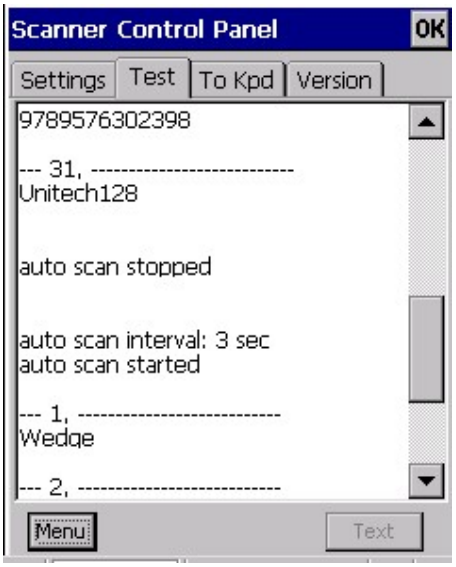
28. Tap “Menu”, select “show sequence number”. Start Auto-Scan and scan barcode. You will see sequence number added for each barcode read.



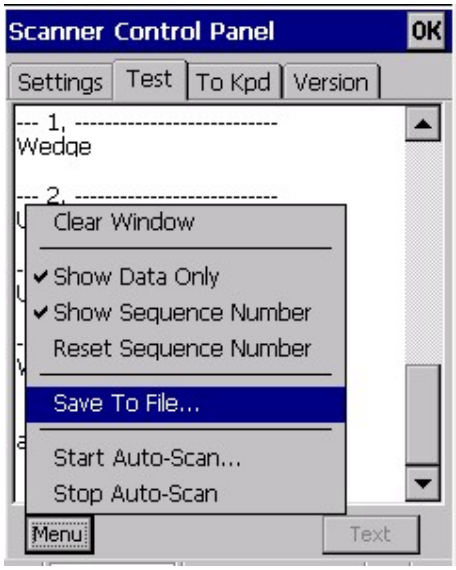


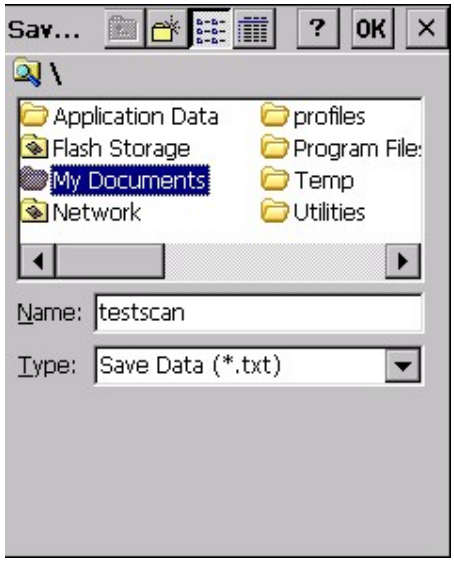
29. Tap “Menu”. Select “Reset Sequence Number”. Scan Barcode. Next barcode read with sequence number start from “1”.

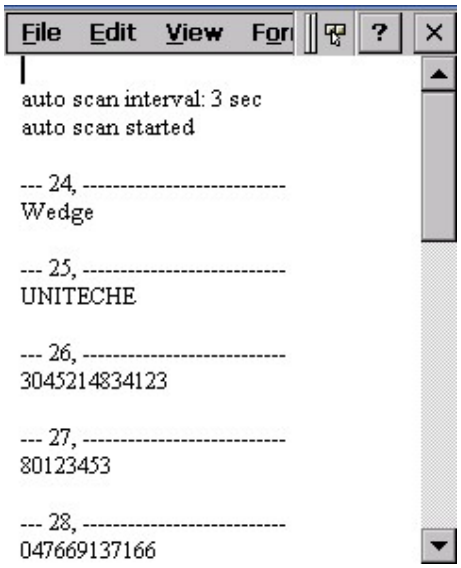




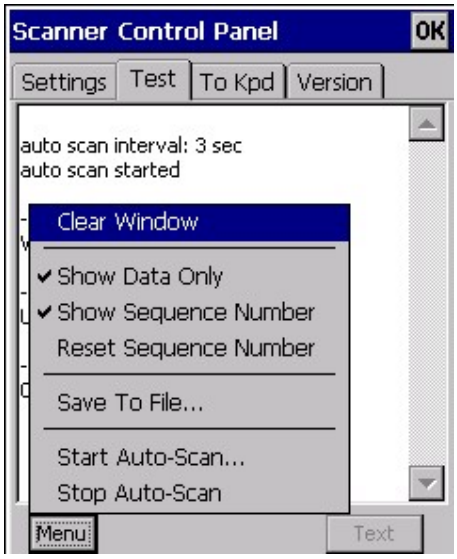
30. Tap “Menu”. Select “Save To File…”. Select the directory you want to save the data file. Key in the file name.

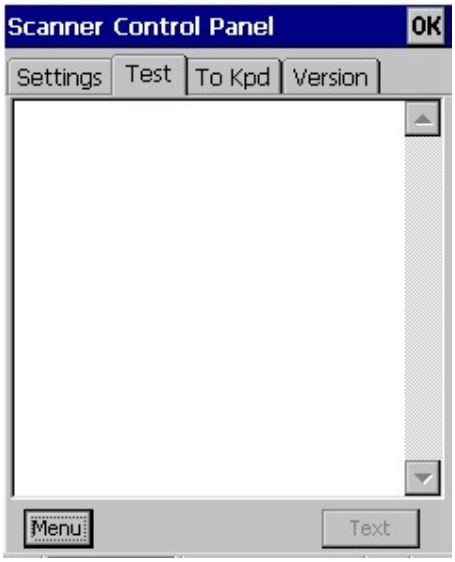




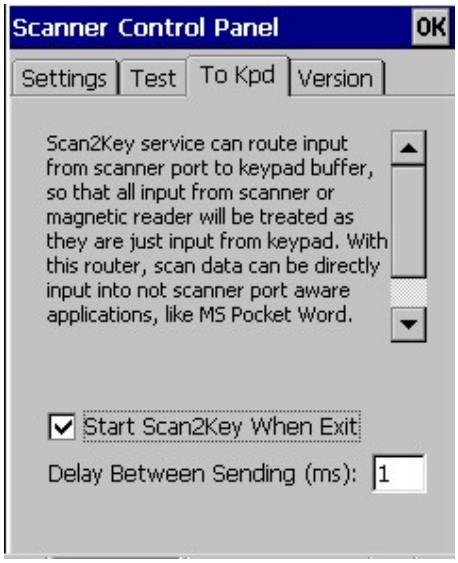


31. Tap “Menu”. Select “Clear Window”. The contents will be cleared.

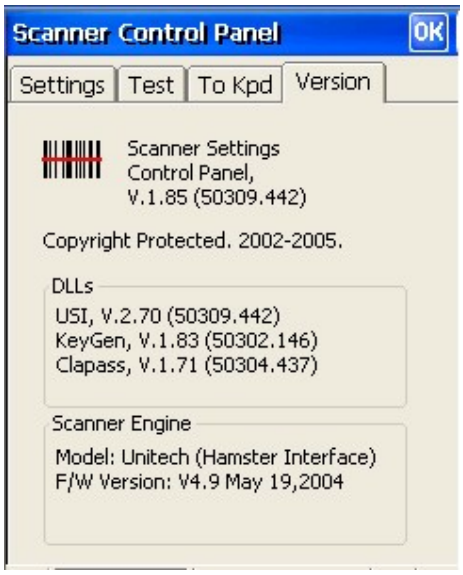




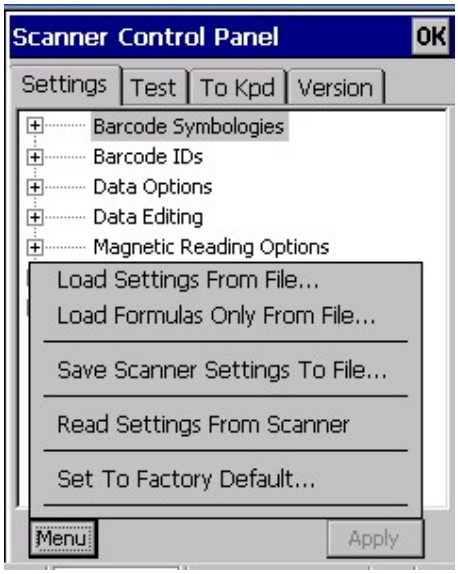
32. Under “To Kpd” tab, tick “Start Scan2key When Exit”. Then, tap “OK”. Scan2Key icon will appear at the task bar. You can define the delay time between sending or leave it as default.


Scanner Control Panel
OK
Settings
Test
To Kpd
Version
Scan2Key service can route input from scanner port to keypad buffer, so that all input from scanner or magnetic reader will be treated as they are just input from keypad. With this router, scan data can be directly input into not scanner port aware applications, like MS Pocket Word.
Start Scan2Key When Exit
Delay Between Sending (ms):
1

33. Tap “Version” tab, the screen will show the general information of Hamster decoder.



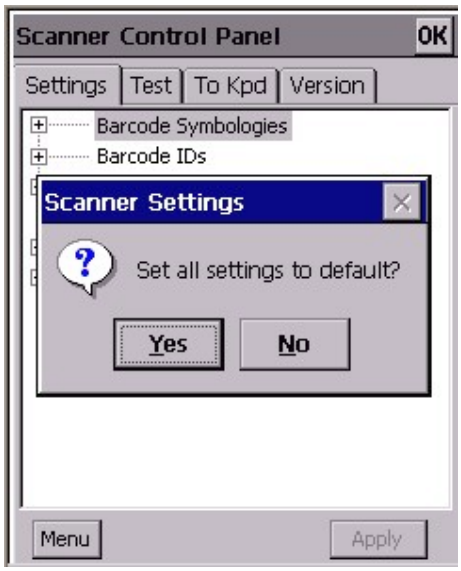
34. Back to “Settings” tab. Tap “Menu” at the bottom. You will see a selection menu pop up.



35. Select “Load Settings From File” or “Load Formulas Only From File”. Load the existing scanner settings / formula file. (If you have saved a settings / formula file before)

36. Select “Save Settings to File”. Save the current scanner setting as *.USI file.

37. Select “Set To Factory Default”. Tap “Yes”. The scanner setting will be reset to the original setting.



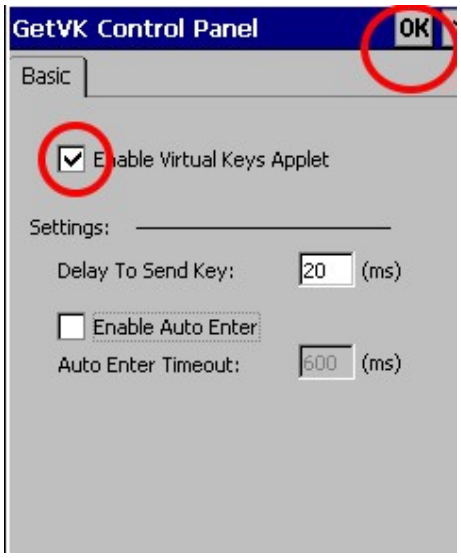
2.8 Virtual Keys

Path: Control Panel/Virtual Keys.exe

This tool allows you to enable/disable the alpha keys on the terminal keypad and set auto enter.

1. Tap “Virtual Keys”.

2. Check “Enable Virtual Keys Applet”. Tap “OK”.

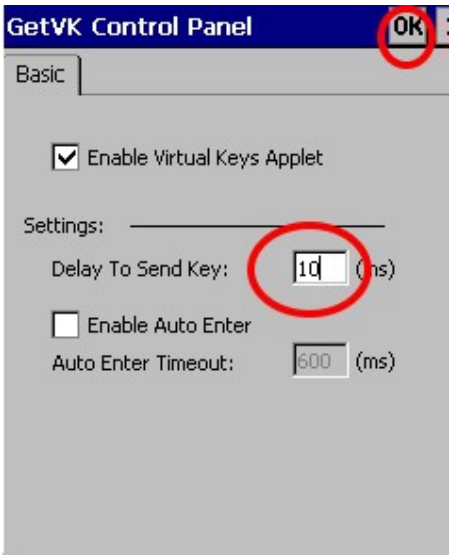


3. Open pocket word and test alpha keys. Press “alpha” key and press numeric key. The characters output as alpha keys.

4. Uncheck “Enable Virtual Keys Applet”. Tap “OK”.

5. Press “alpha” key and press numeric key. The characters output as non-alpha keys.

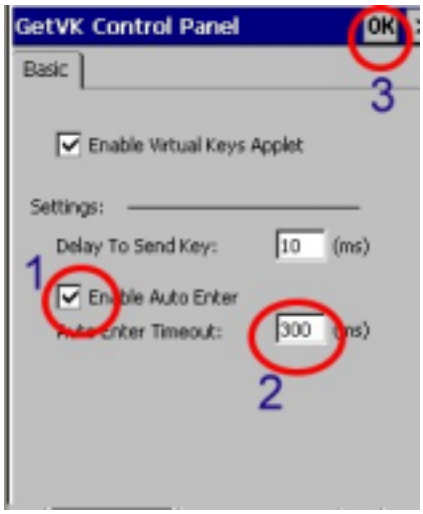
6. In “Virtual keys”, change the “Delay to send key” to different value.Tap “OK”.



7. Enter character from keypad on editor like pocket word. The shorter delay you define, the speed of character printing is faster.

8. In “Virtual keys”, Check “Enable Auto Enter”.

9. Define a value for “Auto Enter Timeout”. Tap OK.



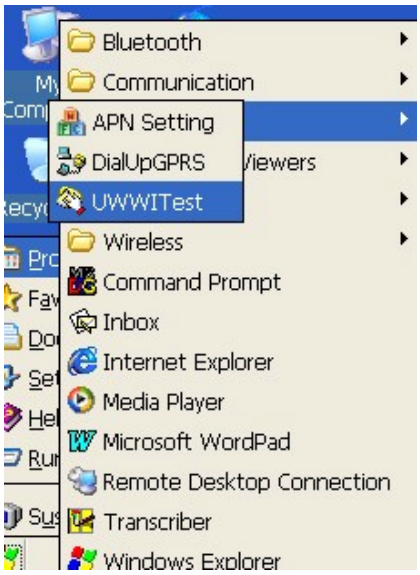
10. In pocket word, turn to alpha mode. Press and hold a key. The alpha characters are highlighted in a loop. Release the key. The character which was focus on will be printed after a period of time, according to the auto enter timeout defined.

2.9 UWWI Test

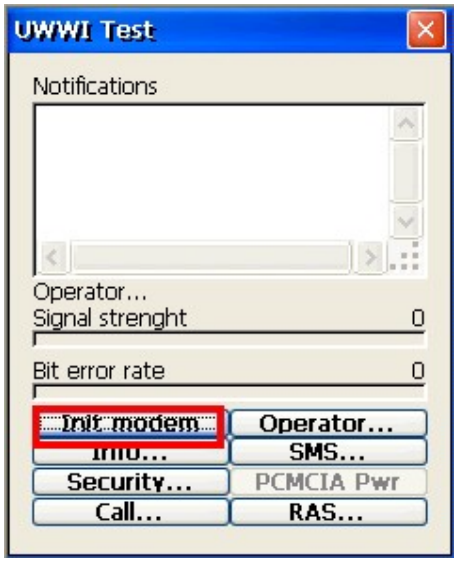
Path: /Start/Program/GPRS/UWWITest

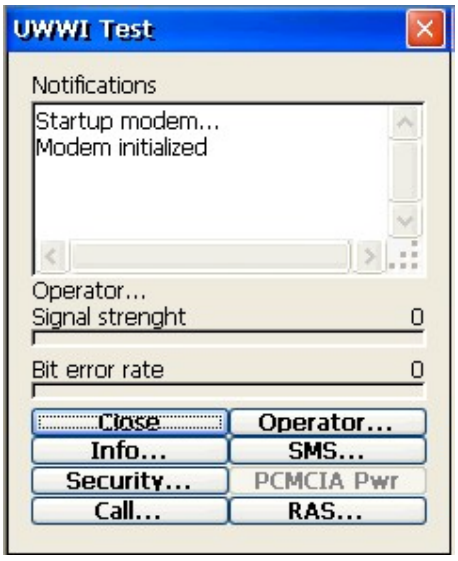
This tool is to let user initialize the GPRS and make the connection, besides using other functions of GPRS module. (Make sure GPRS SIM card is inserted)

1. Tap UWWITest.

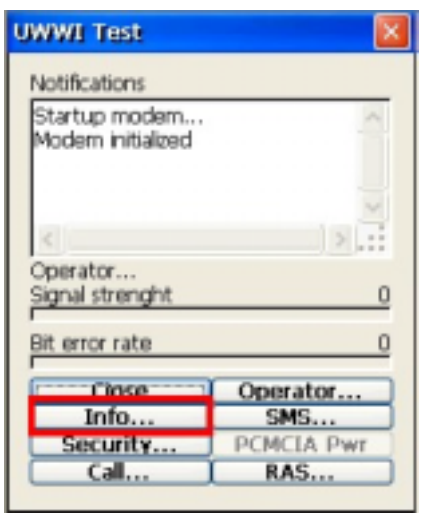


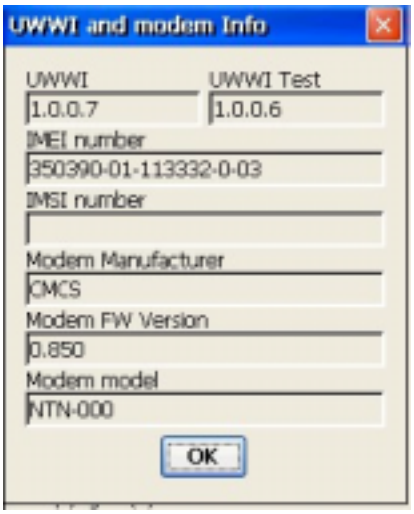
2. Tap “Init Modem”. GPRS connection is open. Modem initialized.



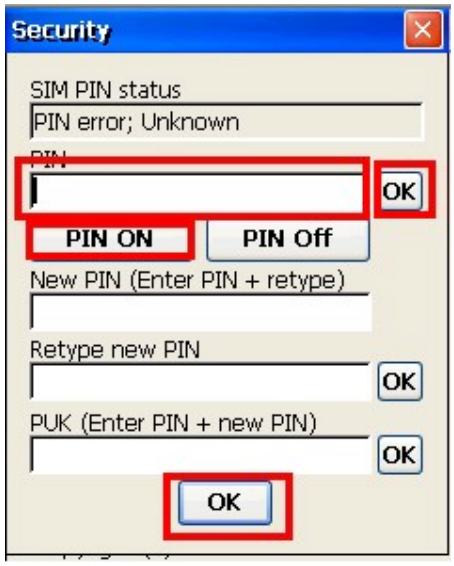


3. Tap “Info”. Firmware and hardware information is listed. Tap OK.

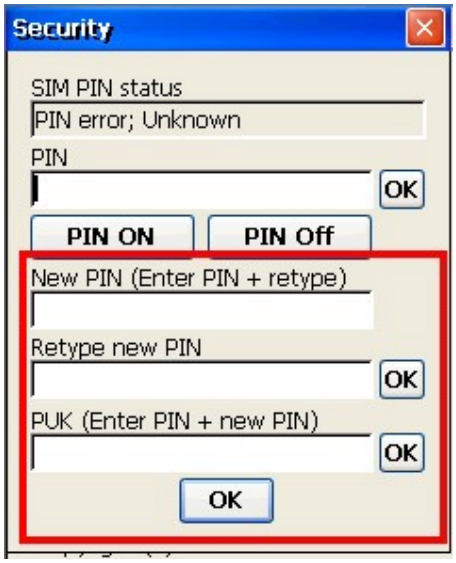




4. Tap “Security”. If your Sim card has a PIN, enter your PIN and tap OK. Tap PIN ON to set usage on. Tap OK.

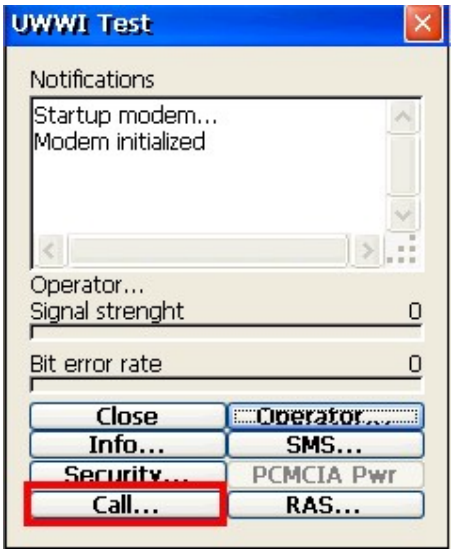


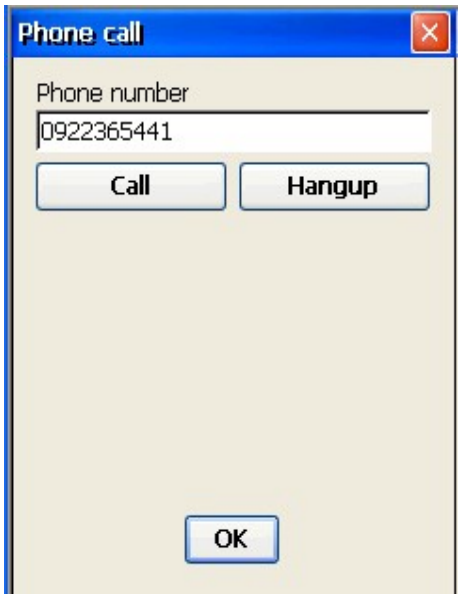
5. If you want to change the PIN, enter the new PIN, retype, tap OK. (Or Enter PUK)



Note: If you SIM card already had PIN, "Security" window will automatically pop up.

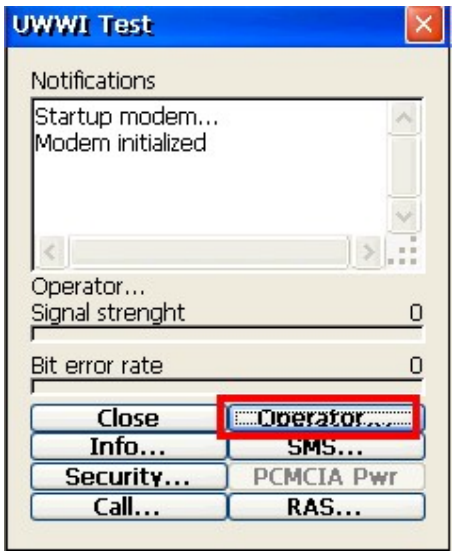
6. Tap "Call". Enter the phone number you want to dial. Tap Call. You can make an phone call. Tap "Hangup" to end the dial.





7. Tap "Operator". User can get network operator information and register to one of them. Tap "From network" or "From modem", a list of operator is listed. If you are at a location other than where you obtain your mobile subscription, select one of the

listed operator and tap “Register” to register or tap “Auto reg” to auto register a preferred network.



8. Tap “SMS”.

9. On Receipient, enter the phone number where you want to send this SMS.(Ex: your mobile phone number)

10. On message, enter some text.

11. Tap “Send”.

12. SMS sent.

13. On Service centre, you enter SMS service centre phone number and tap set.

14. Select the SMS message from the list or tap “Del” to delete any message.

For RAS, please refer to chapter 6.3 GPRS module.

Chapter 3 Tools and Applications under "Windows"

Tools and Applications under "My Computer/Windows"

1. **ActiveNet**
2. **connmc**
3. **Docviewer**
4. **Image Viewer**
5. **Net**
6. **pdfviewer**
7. **pegterm**
8. **pmail**
9. **presviewer**
10. **pword**
11. **repllog**
12. **Transcriber**
13. **xls**
14. **ZebraBTPrinter**
15. **IrDA Activesync**
16. **Serial Activesync**
17. **USB Activesync**

3.1 ActiveNet

Path: My computer/Windows/ActiveNet.exe

This tool provides files synchronization facility between the terminal and your host (PC/notebook) via wireless network communication.

1. Under "Control panel" > "System" > Device Name, type a name for the device. (Example: WINNET)

2. Tap “PC Connection”. Tap “Change connection”. Select “USB”.

3. Connect the terminal with your PC by using USB communication cable.

4. Execute Microsoft Activesync on your host, make connection setting and get connected.

5. After connected, “Do you like to set up a partnership?” Select “Yes”. Click “Next”.

New Partnership
Set Up a Partnership
Before you can synchronize information between your mobile device and this computer, you must set up a partnership between them.
Would you like to set up a partnership?
Yes
Set up a partnership so that I can synchronize information between my device and this computer.
No
I don't want to synchronize information. Set up my device as a guest so that I can copy or move information between my device and this computer.
< 上一步(B)
下一步(N) >
取消
說明

6. Give a name to the device. Example: WINNET, click “Next”.

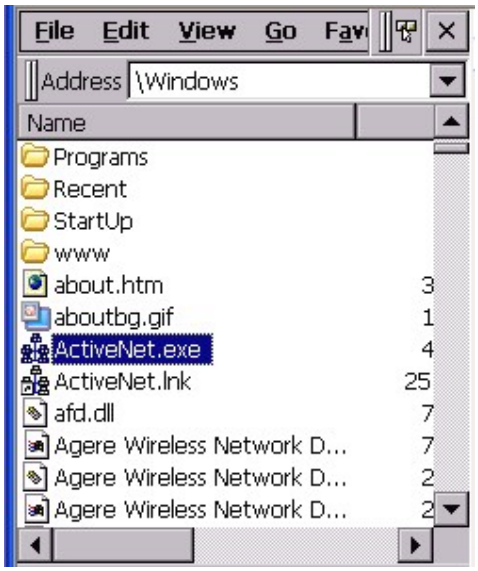
7. Select Synchronization Settings. Check “Files”. Click “Next”. Setup complete.

8. On your terminal, insert your wireless LAN card.

9. Setup the settings and WEP of the wireless LAN card.

10. Unplug the USB communication cable.

11. Under “Windows”, double tap “ActiveNet”.



12. Choose a method to connect to the selected desktop computer. Select “Network Connection”. Connect to <the host>. Tap “Connect”.

13. Activenet will connect terminal to Activesync on your host via wireless network and proceed the file synchronization.

14. To synchronize again, tap “Sync Now”.

15. Tap “Disconnect” to disconnect the communication.

3.2 connmc

Path: /My Computer/Windows/connmc.exe

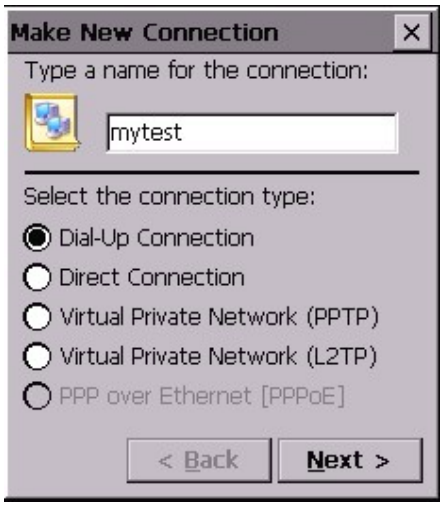
This application is to set up a new wireless connection while you connect the terminal to wireless network by using GPRS.

1. Select “My Computer/Windows/connmc.exe”.

2. Double tap “Make New Connection”.

3. Enter a name for the connection.

4. Select “Dial-Up Connection”. Tap “Next”.



5. Select a modem. Select the type of the GPRS PC card you are using.

6. Tap “Configure”.

7. Set the port settings.

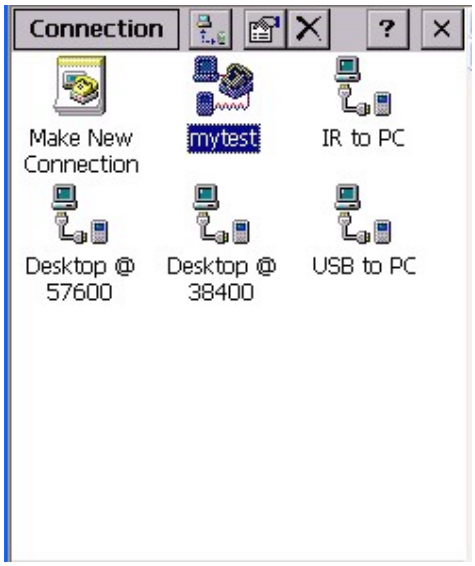
8. Set the call options.

9. Tap “OK”.

10. Tap “Next”.

11. Key in the phone number. Tap “Finish”.

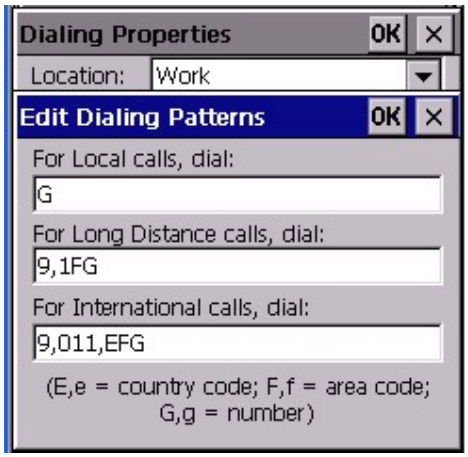
12. A new connection is added.



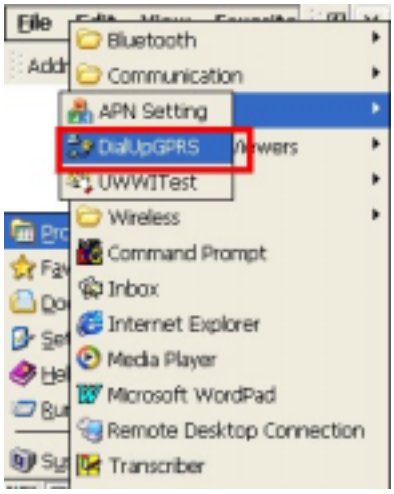
13. Double tap this new connection. Tap “Dial Properties”.

14. Tap “Edit”.

15. Edit the dialing patterns. Tap “OK”, “OK”.



16. On /Start/Program/GPRS, double tap “DialUpGPRS”.



17. Select connection, select “mytest”.

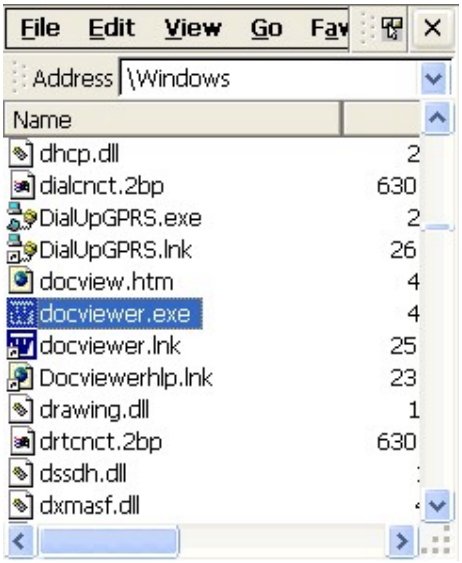
18. Terminal is connected to wireless network by GPRS.

3.3 DocViewer

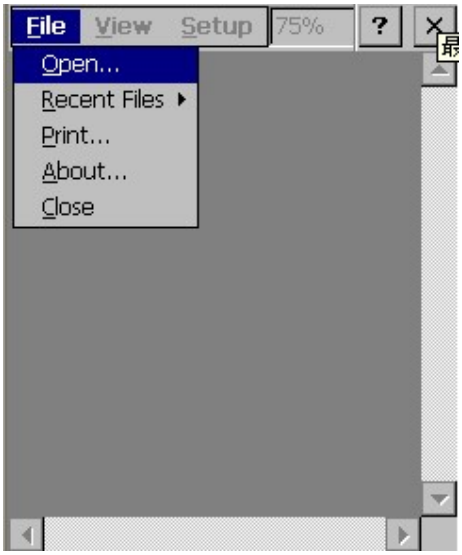
Path: /My Computer/Windows/docviewer.exe

This tool allows you to view DOC format document and zoom to enlarge.

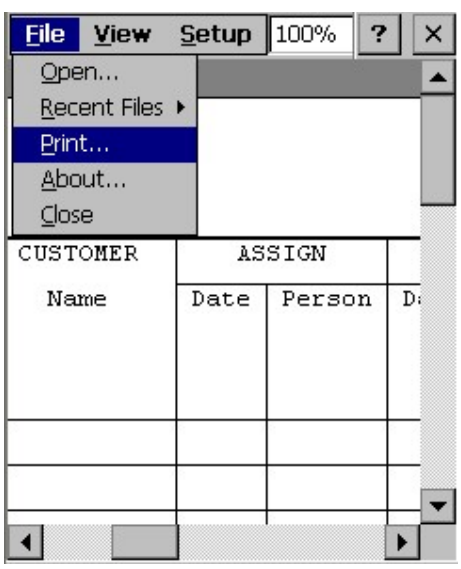
1. Execute docviewer.exe

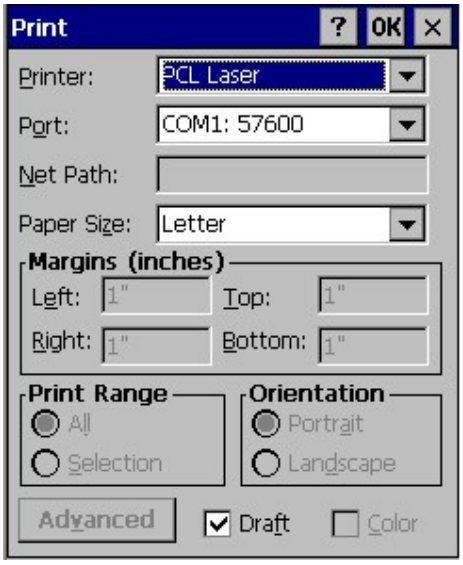


2. Tap “File/Open”. Select the *.doc you want to view.

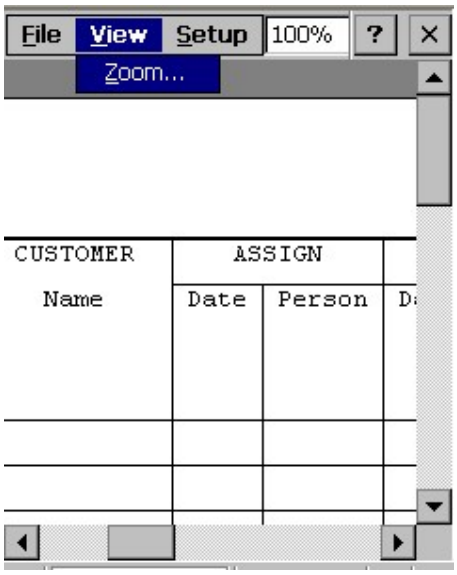


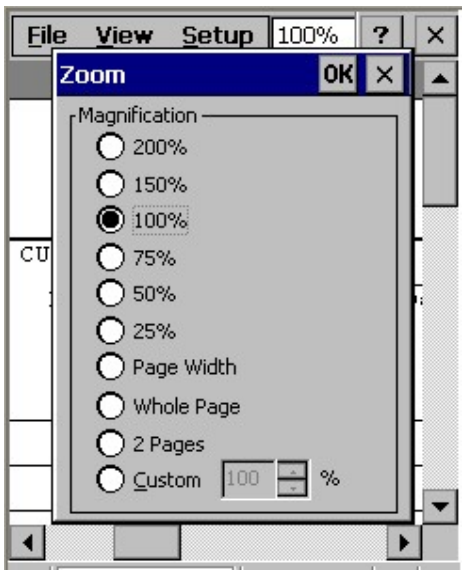
3. Tap “File/Print” to print out the contents of the document. Make the printing setting, tap OK to print.





4. Tap “View/Zoom” to enlarge or change the layout of the page.



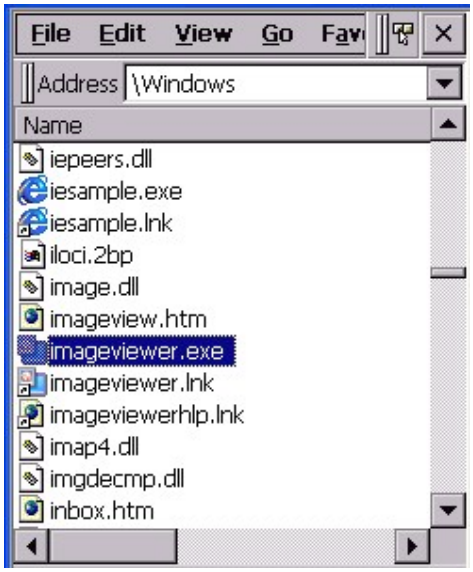


3.4 Imageviewer

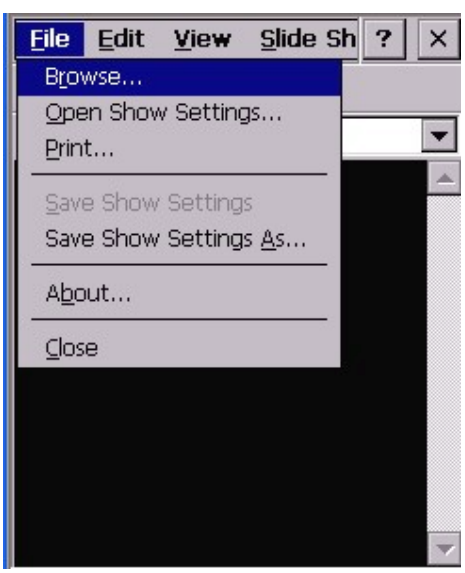
Path: /My Computer/Windows/imageviewer.exe

This tool allows you to control how images (BMP, JPEG or PNG) are viewed to create a slide show. Images can be sorted, rotated and zoomed, the timings between the slides can be set and there are a variety of transition effects to choose from.

1. Double click “imageviewer”.



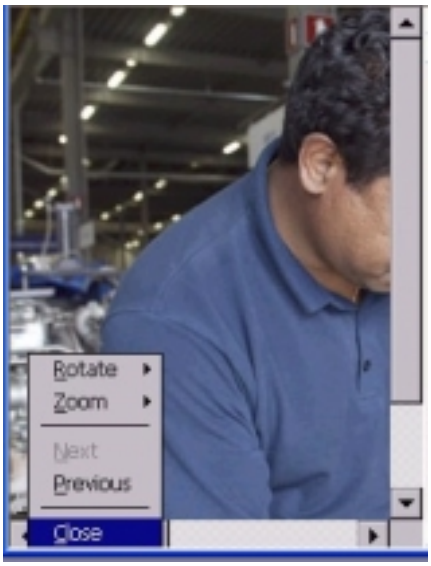
2. To display the image files, tap “File > Browse”. Select the folder where the image files are stored, tap “OK”. All the image files in that folder will be displayed in imageviewer.



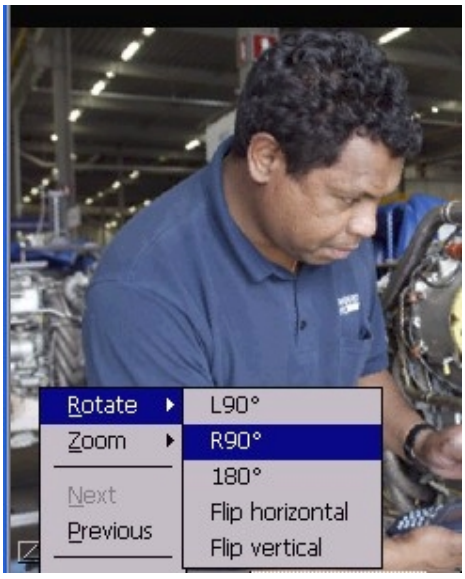
3. You can sort the image files by file name, file type, file size and file date. Under “Edit” > “Sort Image”, select “by Name” > “Descending”. The files are re-arranged according by the selection. You may try sort by type, size or date.

4. Under “View”, select “Information Window”. Information such as file size, image type and date modified of selected image file will be displayed at the bottom.

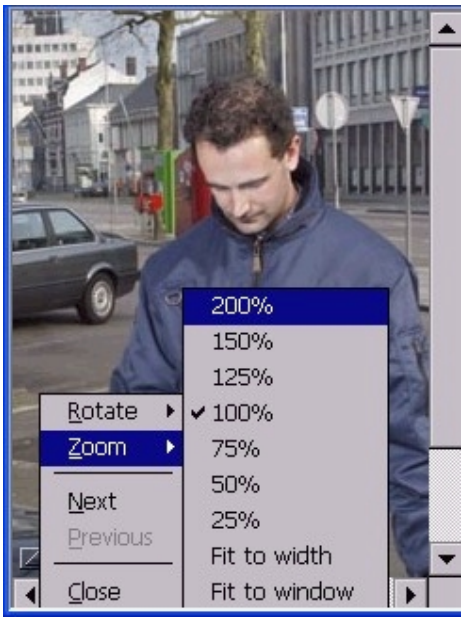
5. Under “View”, select “Full Screen”. The selected image file will be shown in full screen. To exit full screen, tap the triangle arrow at the bottom left corner and select “Close”.



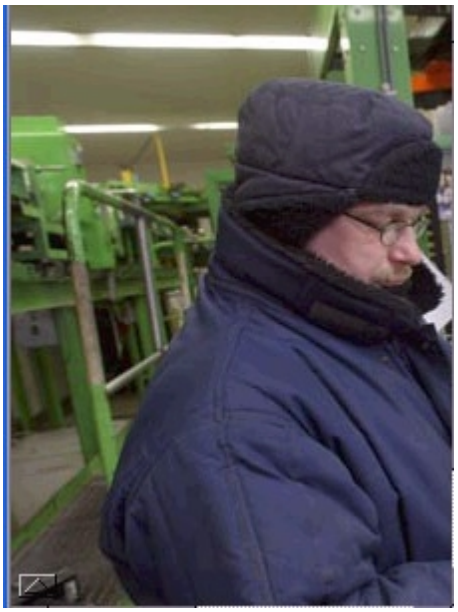
6. View image file in full screen (As Step 5). Tap the triangle arrow at the bottom left corner. Select “Rotate”. Select the rotation angle and direction you want. The image will be rotated according to your selection.



7. View image file in full screen (As Step 5). Tap the triangle arrow at the bottom left corner. Select “Zoom”. Select the percentage of the zoom. The image will be zoomed in or out according to your selection.

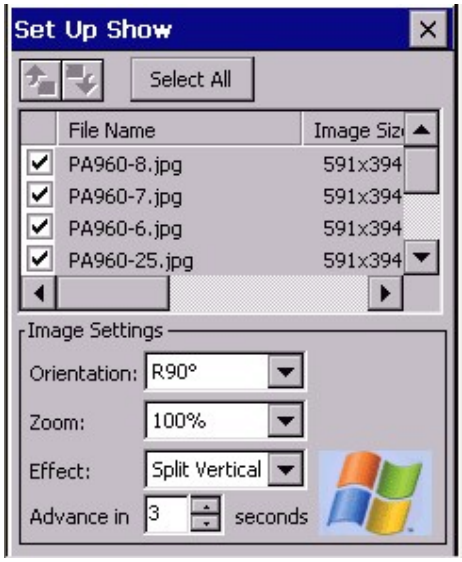


8. View image file in full screen (As Step 5). Tap the triangle arrow at the bottom left corner. Select “Next”. Next image will be displayed. You may select “Previous” to display the image put before the current image.



9. Under “Slide Show”, select “Set Up Show”.

10. Tap “Select All”. (Or check the image files you want to put in the slide show). Under “Image Settings > Orientation”, select the angle of rotation. For Zoom, select the zoom size. For Effect, select how you want the images to be displayed. For Advanced in, select the interval time you want the next image files to appear at. “Advanced in” feature does not take effect in manual display.

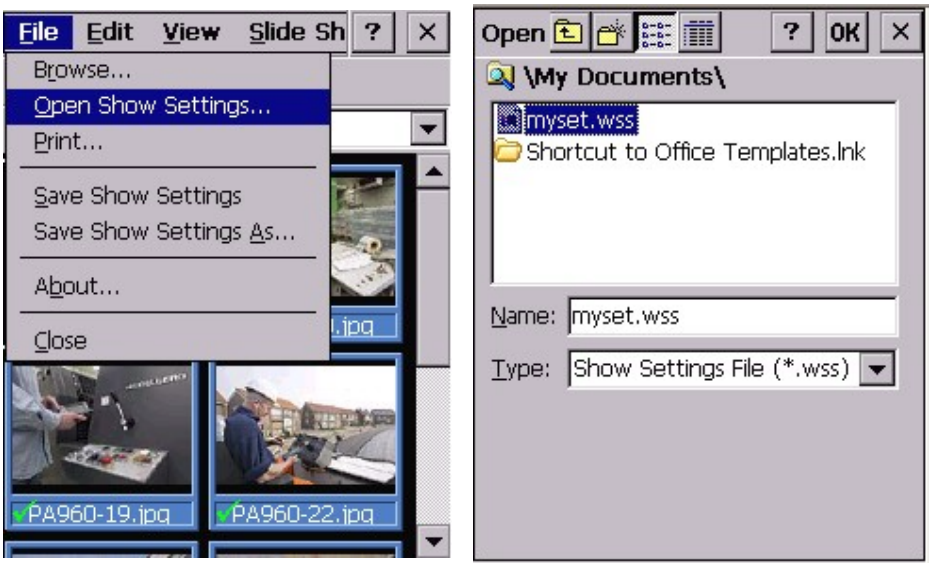


11. Under “Slide Show”, select “Automatic Advance”. The image files will be displayed one by one according to your setting in step 10. It will stop at the last image. To exit, tap the triangle arrow at the bottom left and select “End show”.

12. Under “Slide Show” , select “Automatic Advance(Loop)”. The image files will be displayed one by one according to your setting in step 10. It will always go back to the first image in loop until you tap the triangle arrow at the bottom left and select “End show”.

13. You may save this show setting by select “File > Save show setting as” , give a name to this setting and tap “OK”. (If you select “File > Save show setting”, it will overwrite the previous setting).

14. To retrieve different setting, select “File > Open show setting” and select the show setting as you want.



15. Under “Slide Show”, select “Manual Advance”. Tap the image and it will show the next image. To exit, tap the triangle arrow at the bottom left and select “End show”.

16. To hide an image from being displayed in the slide show, select the image and select “Slide Show” > “Hide Image”. A “X” sign will appear at the file name. Repeat step 11 or 12 or 15, you will notice that the image file hidden will not be displayed in the slide show.

3.5 Net

Path: My computer/Windows/Net.exe

This is a MS Dos command that allows you to share data/files with any computer in the network. (Your terminal must connect to network)

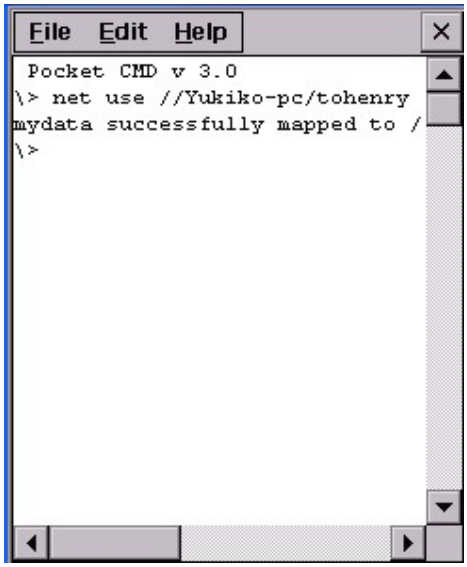
1. On your PC/notebook, share a folder to the network.

2. Execute MS DOS prompt command.

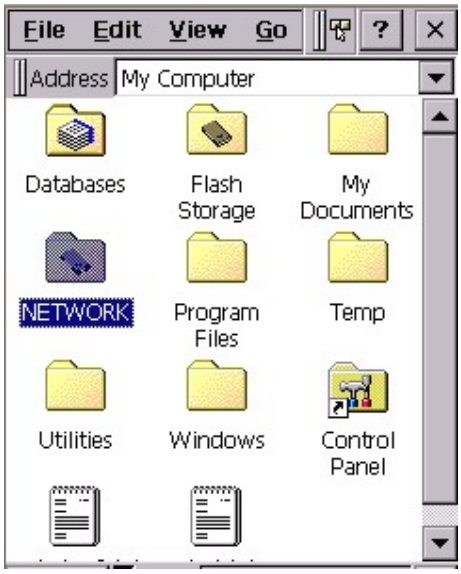
3. On the DOS prompt, type the command:

Net Use //<PC's Name>/<Shared Folder Name> <Terminal folder's name>

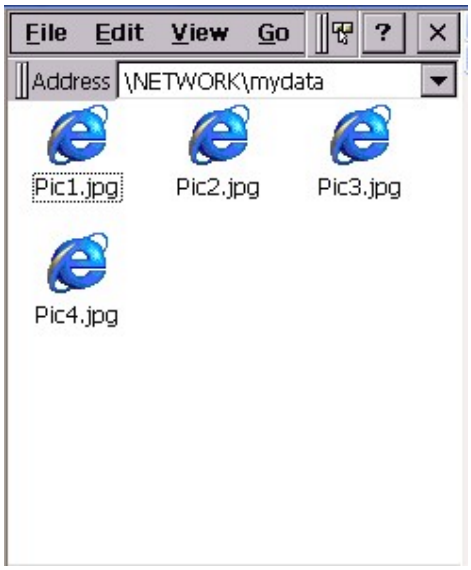
For Terminal folder's name, you can specify any name you like.



4. In "My Computer", tap "Network". You will see a terminal folder.



5. Open the folder. You will see the files in the folder. The content is the same as the shared folder in your PC/notebook.

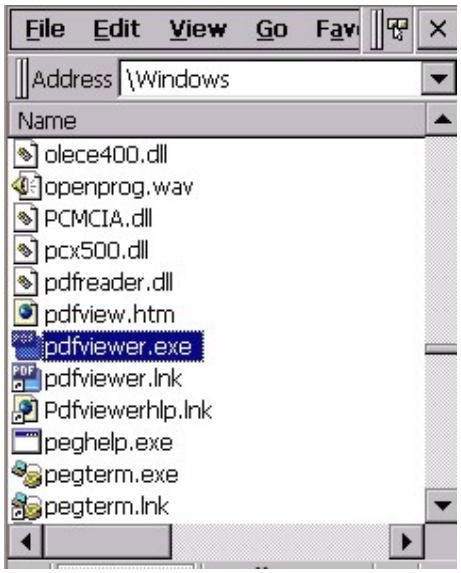


3.6 pdfviewer

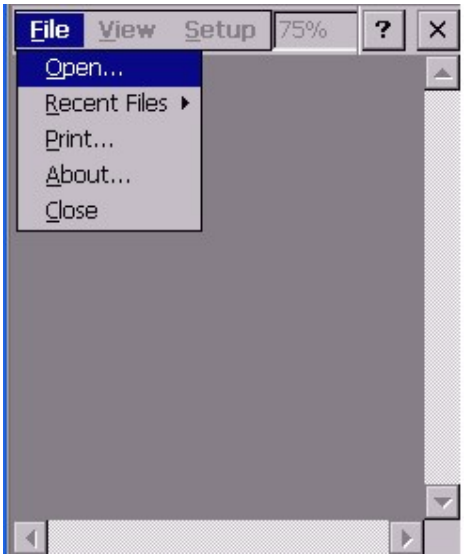
Path: /My Computer/Windows/pdfviewer.exe

This tool allows you to view files in PDF format.

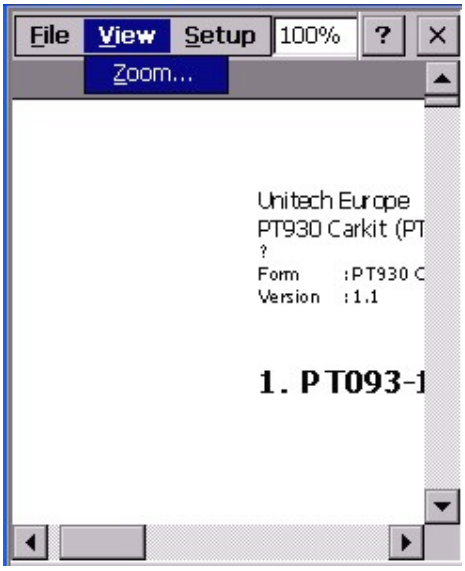
1. Double tap “pdfviewer”.

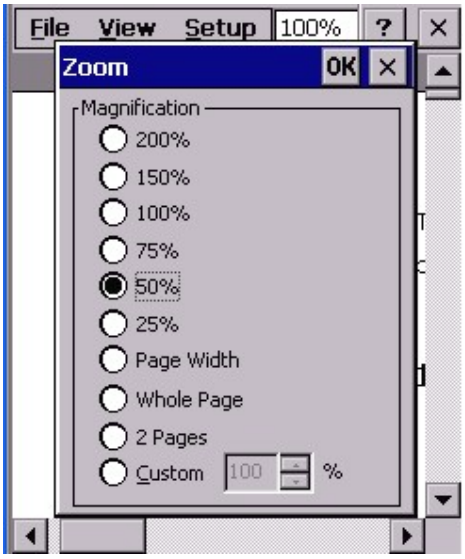


2. Under “File”, select “Open”.



3. Under “View”, select “Zoom”. Select the zoom size you want to view. Tap “OK”.



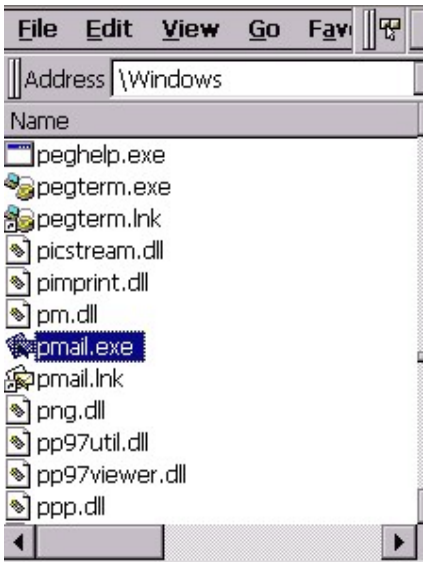


3.7 Pmail

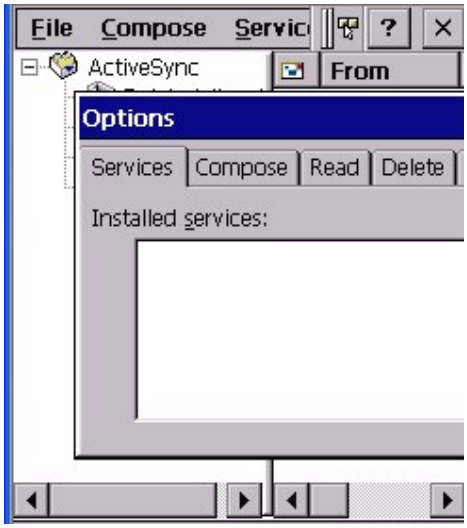
Path: My Computer/Windows/pmail.exe

This is an email applications for you to sent/receive email by using the terminal. (Must connect the terminal to the network)

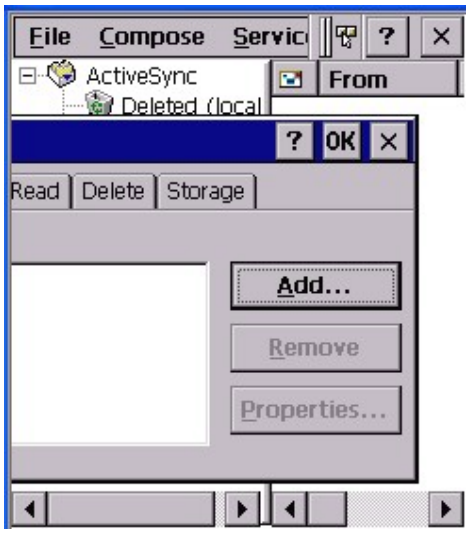
1. Double tap “pmail”.



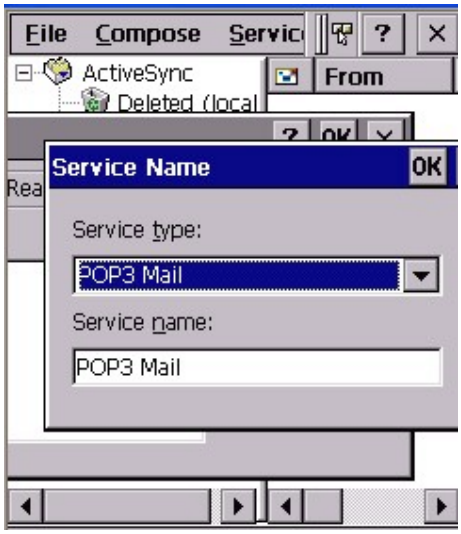
2. In “Service” menu, select “Options”.



3. Under “Service” tab, tap “Add”.



4. Select the service type. Tap “OK”.



5. For connection, select type of your connection. (If you are using wireless LAN card, select “Network Connection”.)

6. Key in the Pop3 host.

7. Enter user ID and password.

8. Key in the SMTP host and return address. Tap “Next”.

9. Tap “Next”, “Next”. Tap “Finish”.

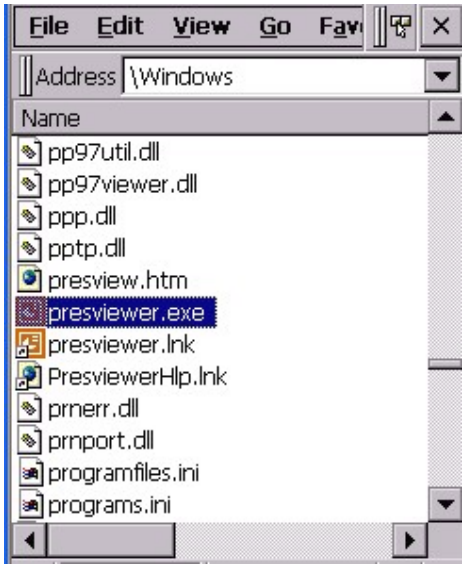
10. Pmail is ready to be used for email sending.

3.8 presviewer

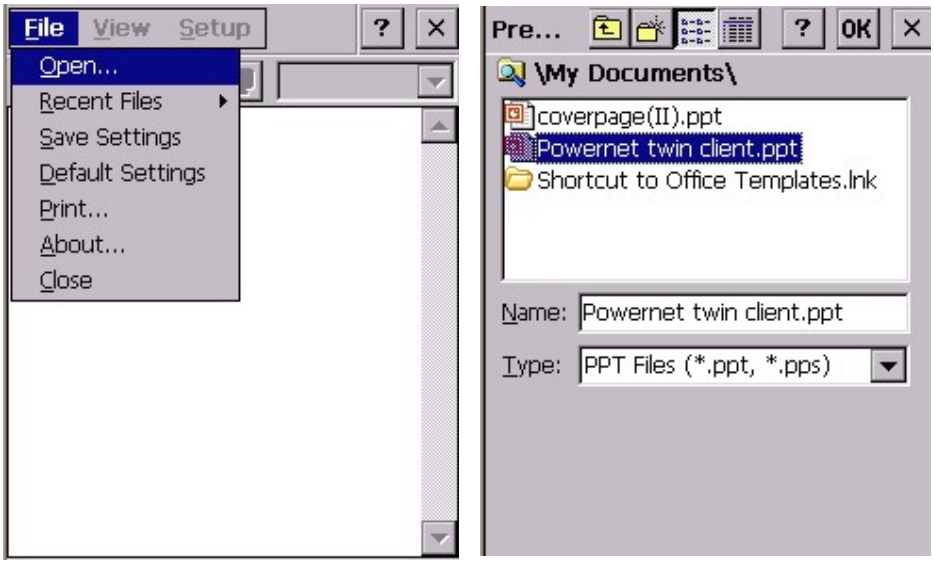
Path: /My Computer/Windows/presviewer.exe

This is a powerpoint viewer that displays presentations created in MS powerpoint 97, powerpoint 2000 and powerpoint 2002.It allows you to view your presentation as it was created. In this list, you can select which slides to include in the presentation and you can change the order of the slides presented.

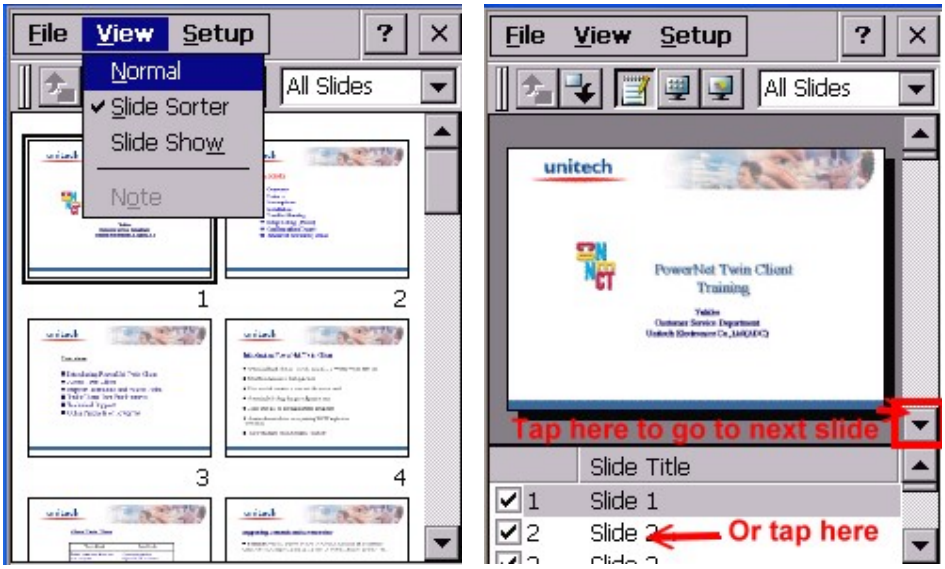
1. Double tap “presviewer”.



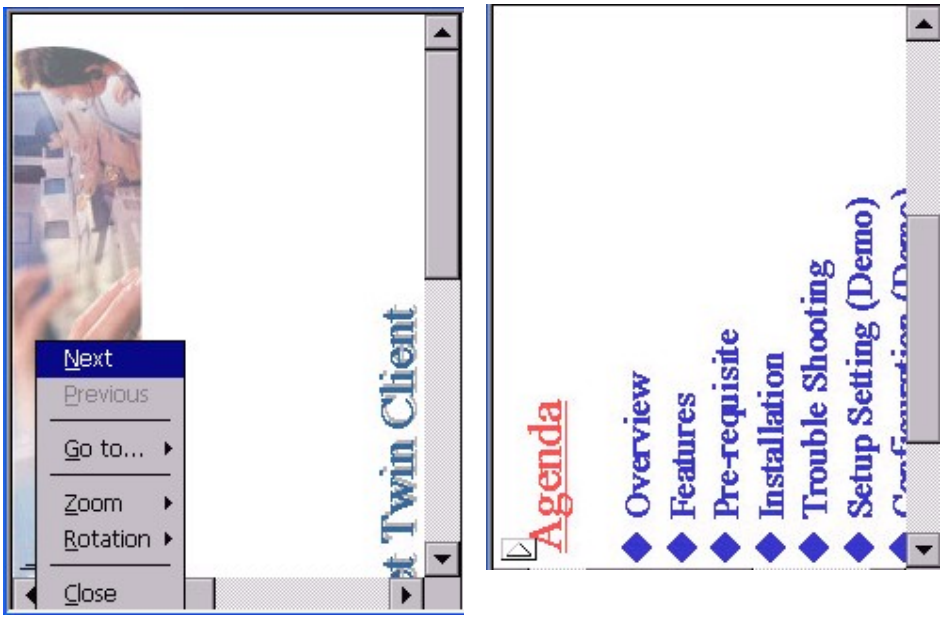
2. Under “File”, select “Open”. Open a powerpoint file.



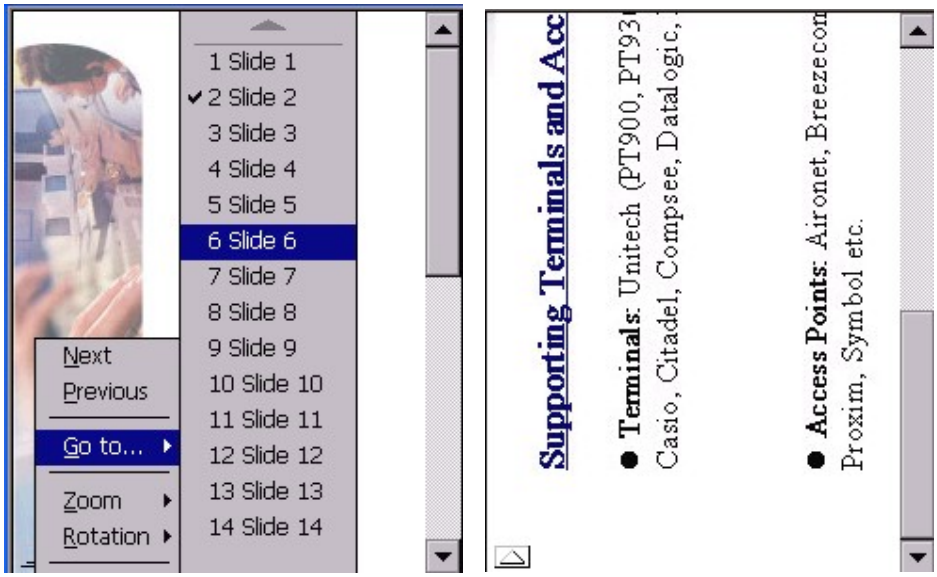
3. Under “View”, select “Normal”. The current slide will be displayed. The slide list at the bottom will be highlighted. Tap the down scroll arrow will display the next slide. Or you can tap any list in the slide title list to display any slide you want to view. Under “View” > “Note”, you can read the notes about the slide.



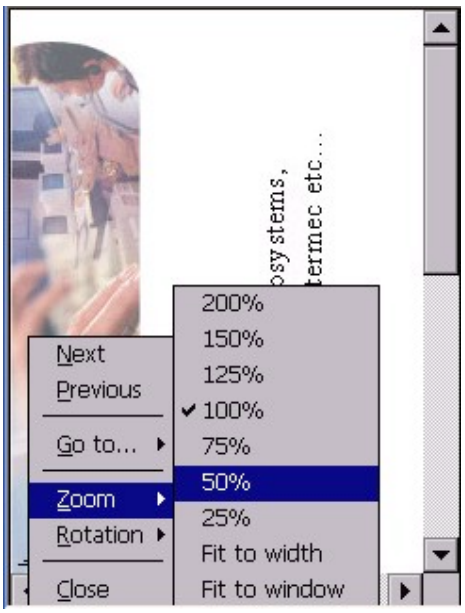
4. Double tap on the slide. The slide will be displayed in full screen. At the bottom left corner, tap the triangle mark. Select “Next”. It will display the next slide. To go back to the previous slide, tap triangle mark and select “Previous”.



5. Tap triangle mark. Select “Go to”. Select the slide you want to view. It will jump to the slide you defined.

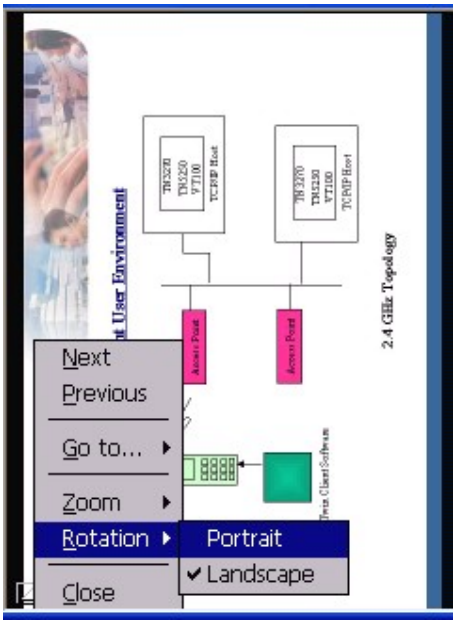


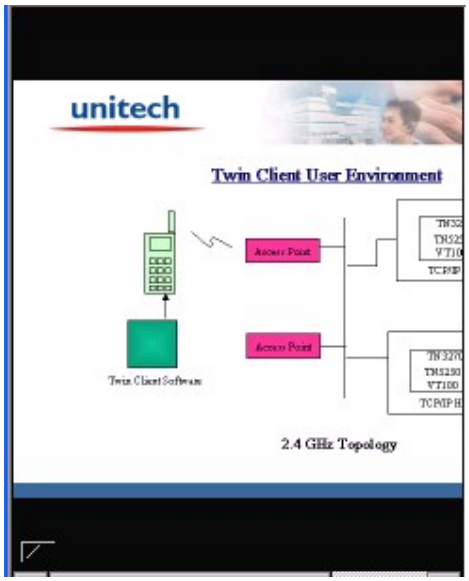
6. Tap triangle mark. Select “Zoom”. Select the zoom size you want. The slide will be zoom in or out according to your selection.



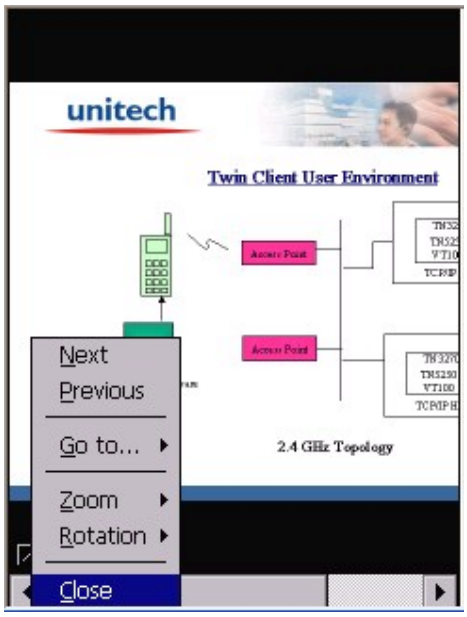
unitech
Supporting Terminals and Access Points
Terminals: Unitech (PT900, PT930, PT930SA), American Microsystems, Casio, Citadel, Compaq, Datalogic, Denso ID systems, Fujitsu, Intermec etc...
Access Points: Aironet, Breezecom, Casio, Cisco, Intermec, Lucent, Proxim, Symbol etc.

7. Tap triangle mark. Select “Rotation”. Select “Portrait” or “Landscape”.



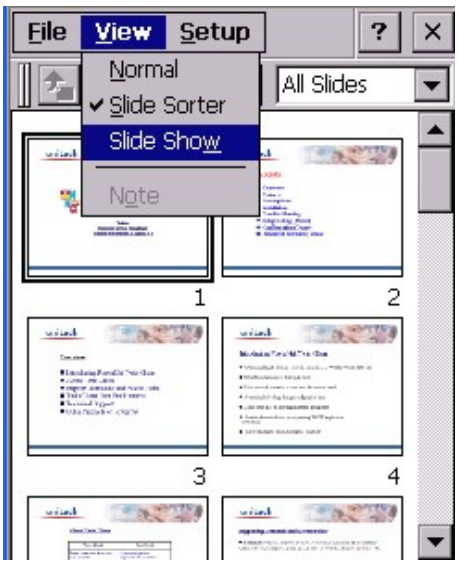


8. Tap triangle mark. Select “Close”. It will end the presentation.

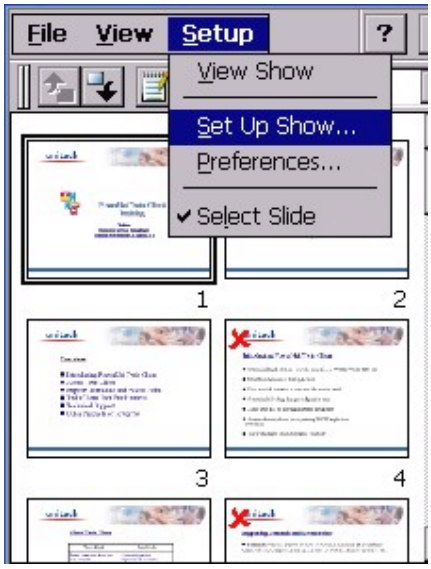


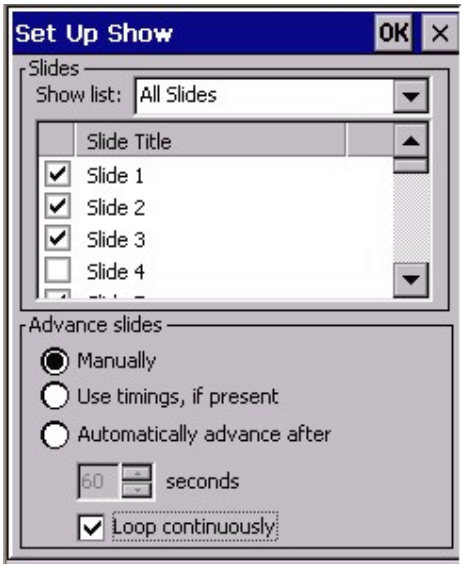
9. Under “View”, select “Slide sorter”. All the slides will be displayed in one page. You can double tap any slide for presentation.

10. Under “View”, select “Slide show”. The slide you selected will be presented.

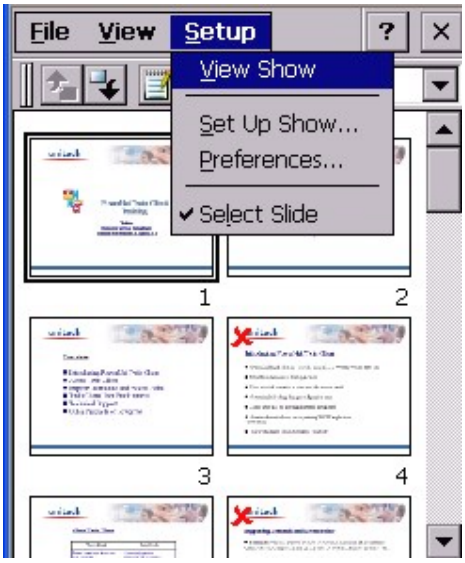


11. Under “Setup”, select “Set Up Show”. You may check the slides you want to show in the presentation(Or select “All Slides” in show list). For the slide you do not want to show, uncheck the slide under slide title. For Advanced slides, select “Manually”. Check “Loop continuosly” if you want the slides to be shown in loop.
Tap”OK”.

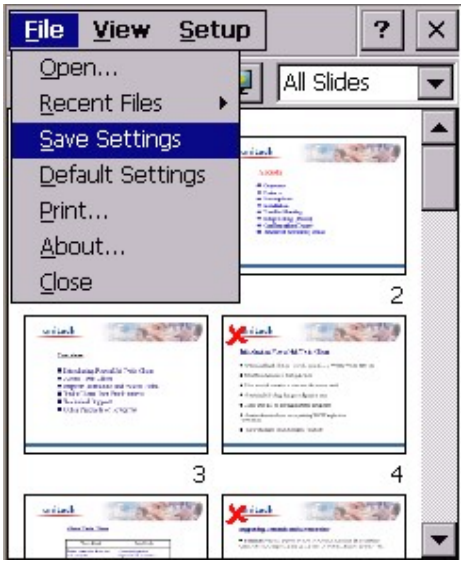




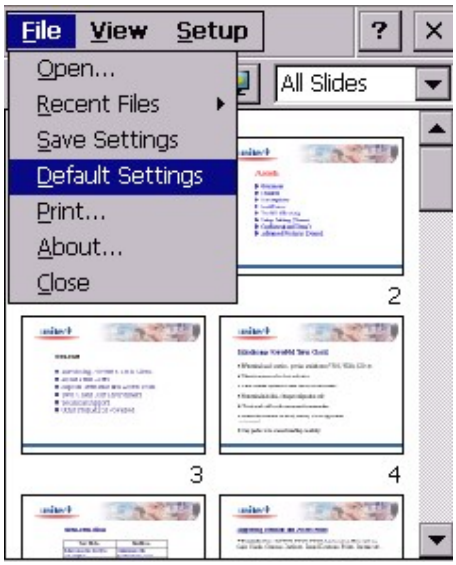
12. Under “Setup”, select “View Show”. The slides are presented. Tap the slide to go to next slide. (Note that slide 4 and 6 is not presented as they are unchecked in the above setting)



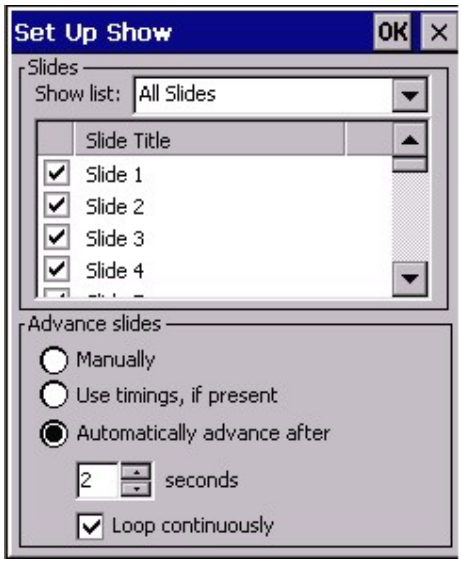
13. To save this setting, under “File”, select “ Save show setting”. Tap “Yes”.



14. To set this show setting as default, under “File”, select “Default Settings”.

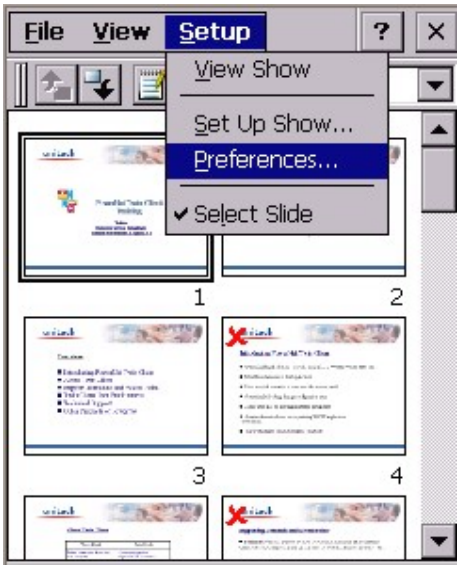


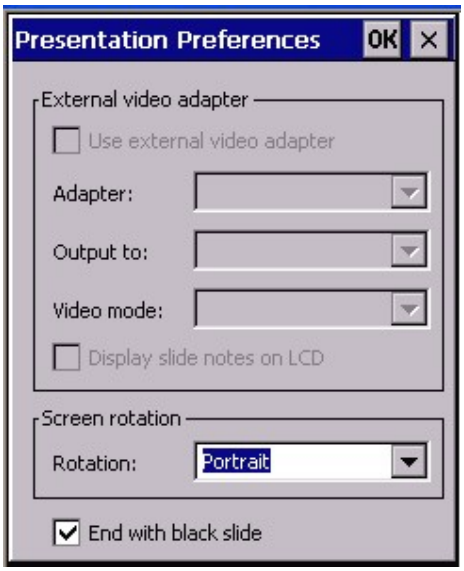
15. Repeat step 11. This time, select “Automatically advanced after”. Specify the time. Tap “OK”.



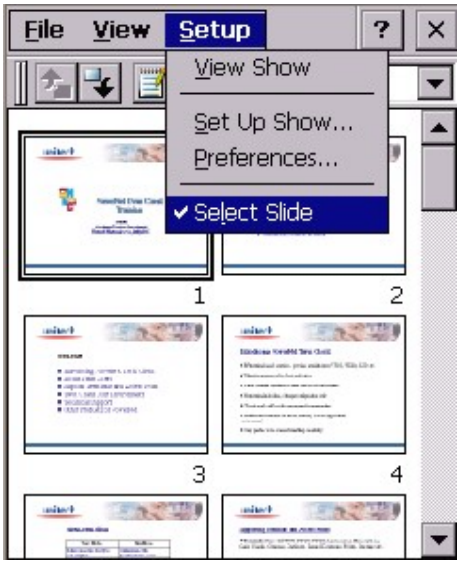
16. Under “Setup”, select “View Show”. The slides will be presented one by one in each 2 seconds automatically.

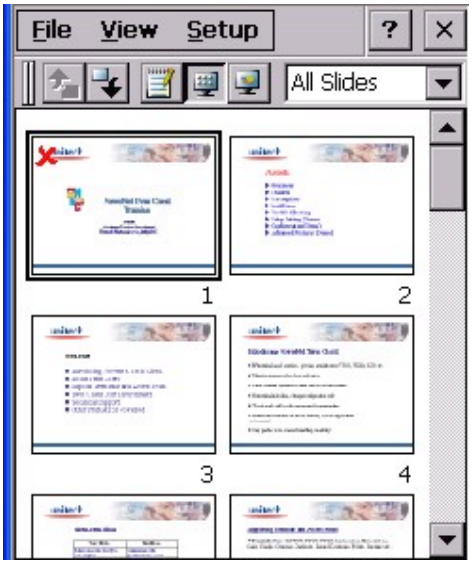
17. Under “Setup”, select “Preference”. Select the rotation. The slide will be displayed according to your rotation selection.





18. To delete slides, tap on the slide and tap “Setup > Select Slide”. A “X” sign will appear on the slide.





3.9 Pword

Path: My Computer/Windows/pword.exe

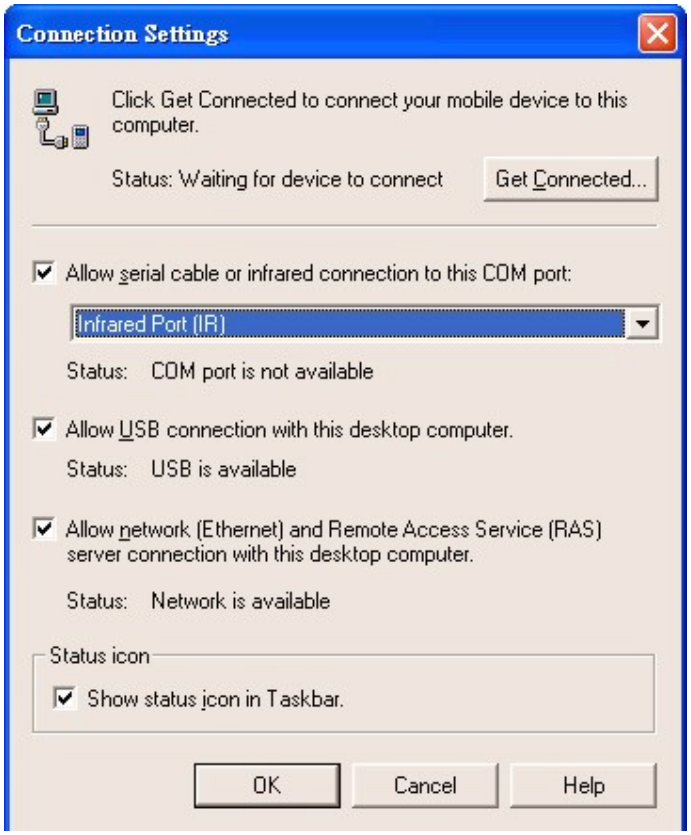
This tool allows you to do words editing, like MS word.

3.10 Repllog

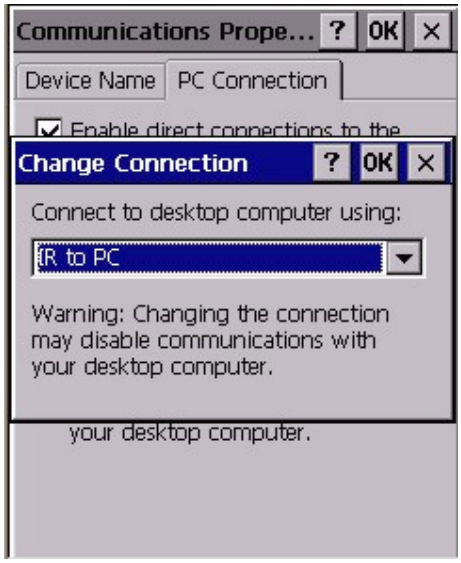
Path: My Computer/Windows/repllog.exe

Repllog is a tool to enable IrDA communication.

1. On your PC, open ActiveSync. Under “File” menu, select “Connection Settings”. Allow Serial cable or infrared connection to this com port, select “Infrared Port”.


Connection Settings
Click Get Connected to connect your mobile device to this computer.
Status: Waiting for device to connect
Get Connected...
Allow serial cable or infrared connection to this COM port:
Infrared Port (IR)
Status: COM port is not available
Allow USB connection with this desktop computer.
Status: USB is available
Allow network (Ethernet) and Remote Access Service (RAS) server connection with this desktop computer.
Status: Network is available
Status icon
Show status icon in Taskbar.
OK
Cancel
Help

2. On the terminal, control panel/Communications/PC Connection/Change Connection: IR to PC.



3. Place the IrDA port of the terminal towards the IrDA port of your PC.

4. On the terminal, double tap “repllog.exe”.

5. Terminal and PC are connected by IrDA.

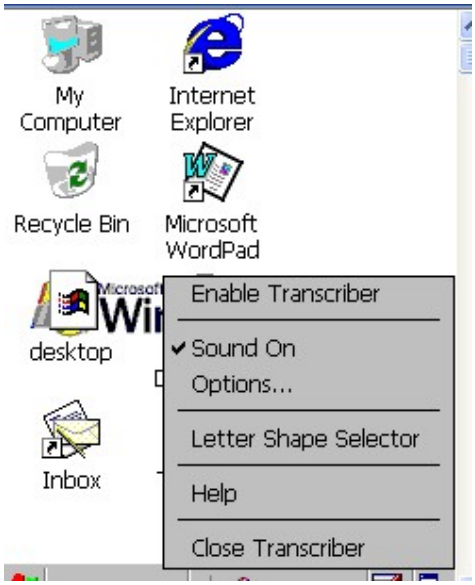
3.11 Transcriber

Path: My computer/Windows/TranscriberENU.exe(or Desktop/ TranscriberENU.exe)

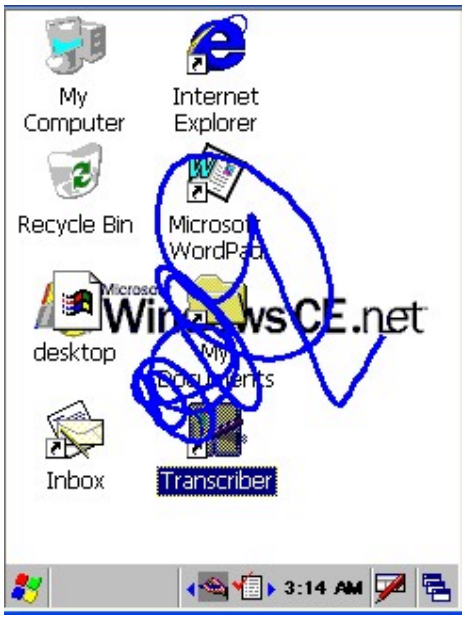
This tool enable hand writing / sketch on the foreground of the screen.

1. Double tap “TranscriberENU.exe”

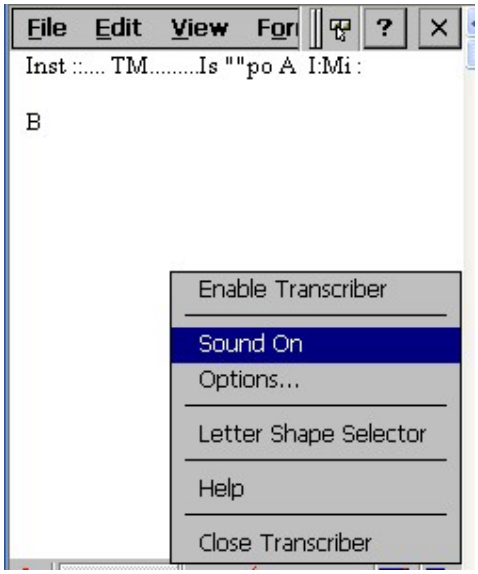
2. You will see a “hand” icon appear on taskbar. Tap and hold this icon. A list of selection pops up.



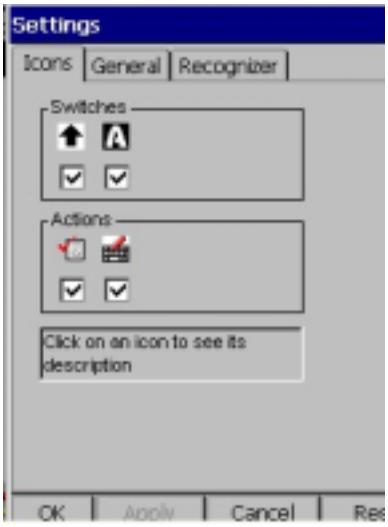
3. Select “Enable Transcriber”. Use the stylus to draw on the screen.



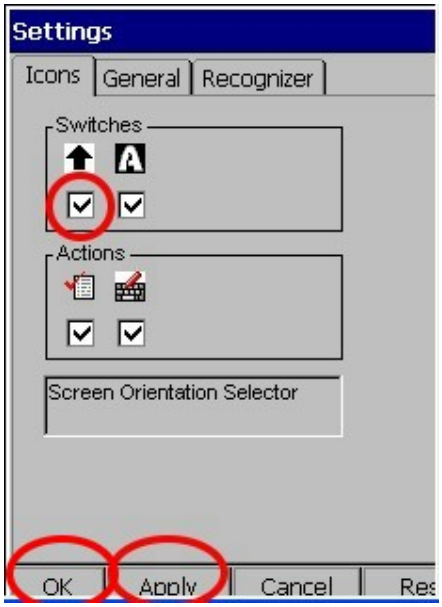
4. Select “Sound on”. It will have a beep when your sketch is transformed to digital data.



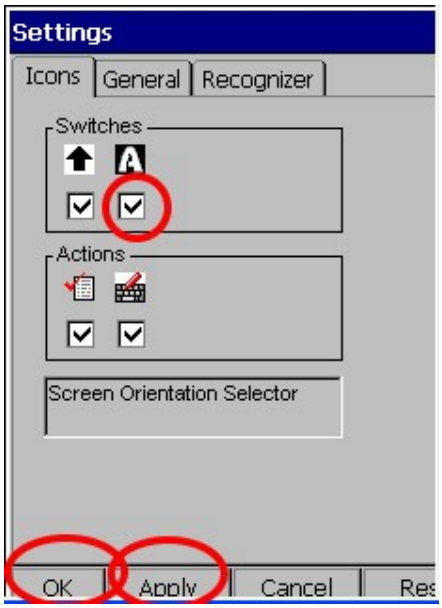
5. Select “Options”. You will see 3 tabs.



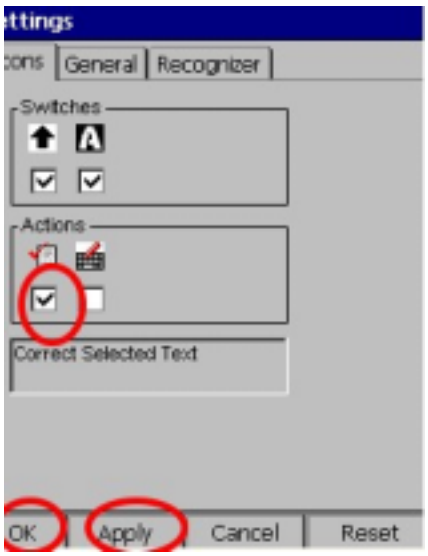
6. On Icons tab, under “Switches”, check or uncheck , then tap “Apply” and OK. If you check it, this icon will appear on the taskbar to allow users to select the direction the writing. Tap on this icon continuously to change the direction. You should always write perpendicular to the direction of the arrow.



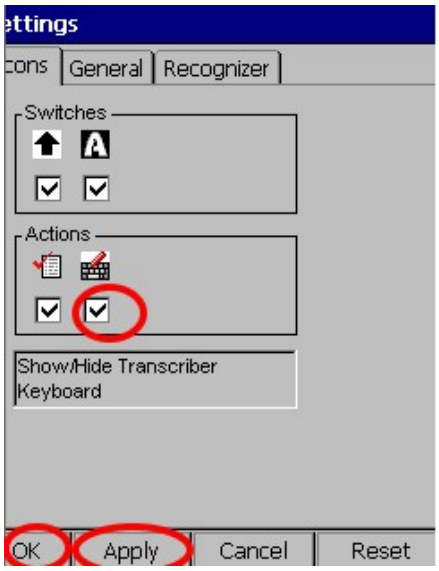
7. Check or uncheck [a] then tap “Apply” and OK. If you check it, this icon will appear on the taskbar to allow you to specify the recognition mode. Tap the icon to tune the mode. Select [a], all symbols and words are allowed. Select [A], everything written will be converted to capital letters. Select “12”, numerals and some letters allowed.

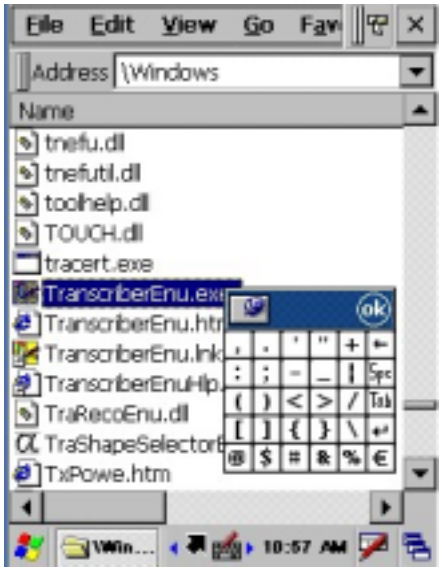


8. Under “Actions”, Check or uncheck then tap “Apply” and OK. If you check it, this icon will appear on the taskbar to allow you to write and edit. Tap this icon. An editor appear for hand writing and editing.

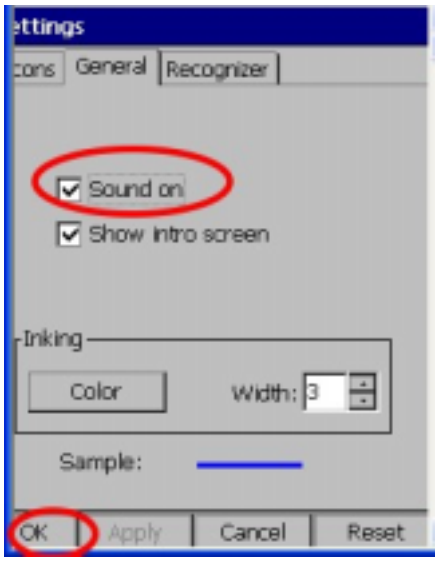


9. Check or uncheck then tap “Apply” and OK. If you check it, this icon will appear on the taskbar to allow you to use the transcriber keyboard. Tap this icon. Transcriber keyboard will pop up.

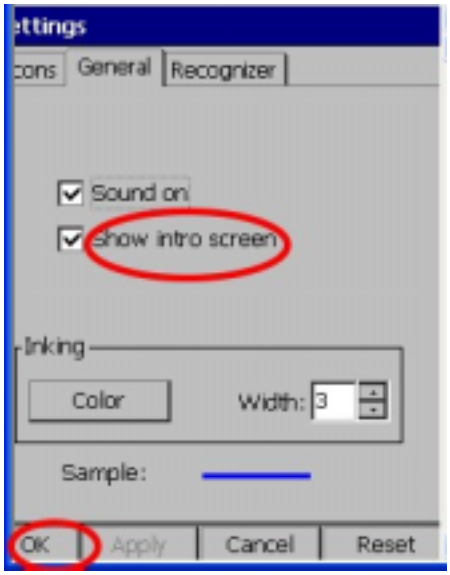


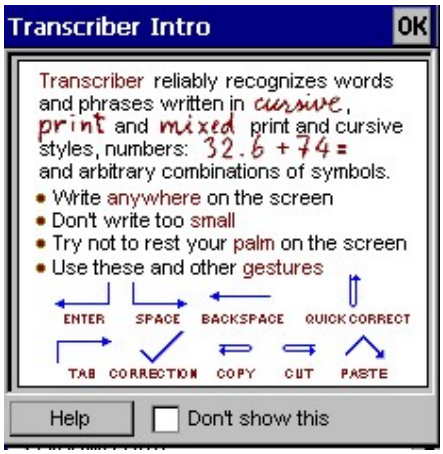


10. Under “General”, check or uncheck “Sound on”, then tap OK. If you check it, every tap or every draw on transcriber will echo a sound.

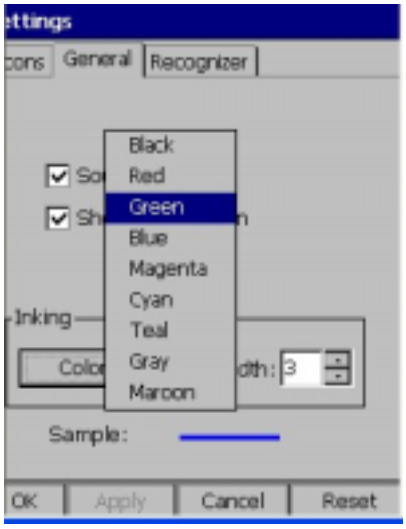


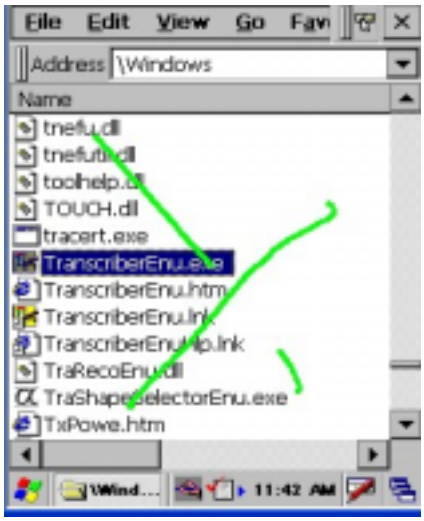
11. Check or uncheck “Show intro screen”, then tap “OK”. If you check it, every time you run transcriber, an introduction screen will pop out.



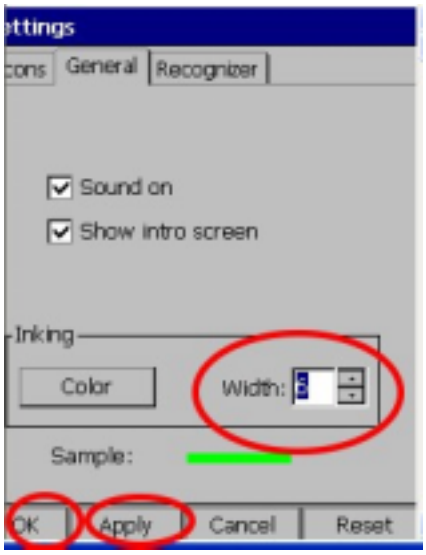


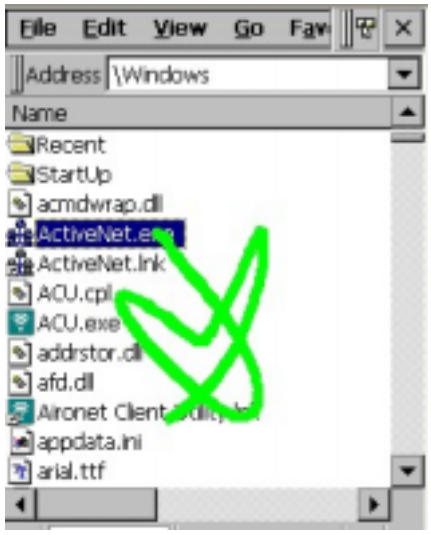
12. Under Inking, tap “Color”. A list of color selection pop up. Select the color you want your drawing to be. Tap Apply and OK.





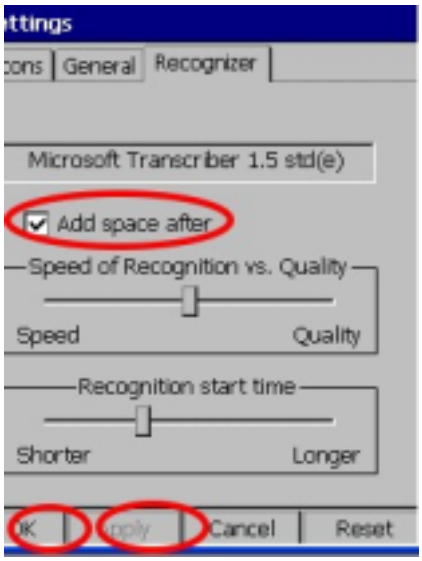
13. At the Width field, tap the up down arrow to select the width of your hand writing. Tap Apply and OK.



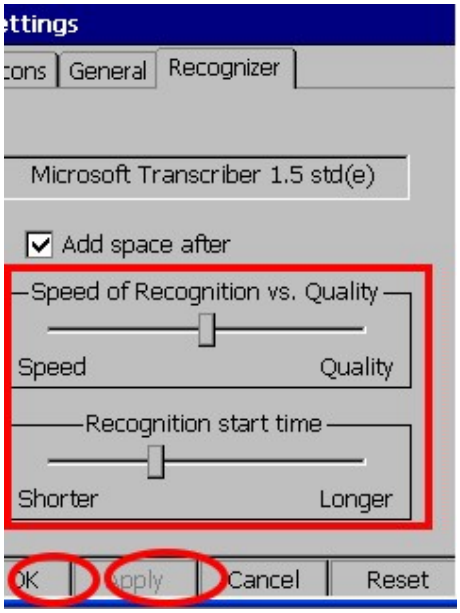


14. Under “Recognizer”, check or uncheck “Add space after”. Tap Apply and OK.

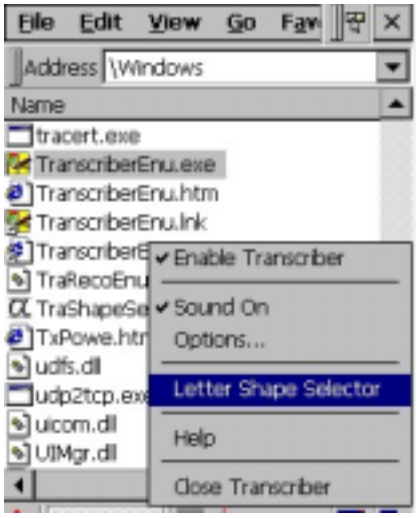
If it is checked, after each character writing, a space will be added.

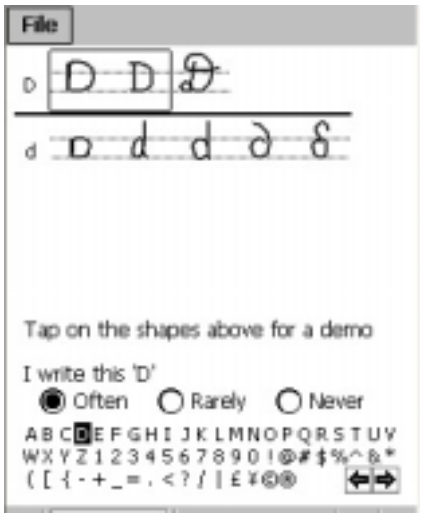


15. Adjust the Speed and quality of recognition. The faster the speed, the lower the quality. Adjust the recognition start time. Tap “Apply” and “OK”.

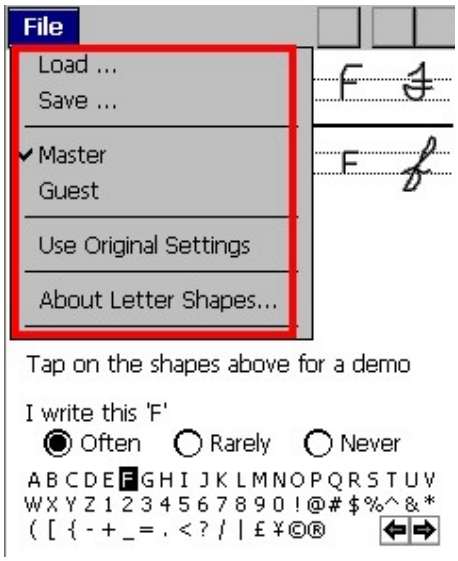


16. Select “Letter Shape Selector”. Select the character at the bottom. A list of character style appear on top. Select the style you write. Then select the frequency you write in that style.

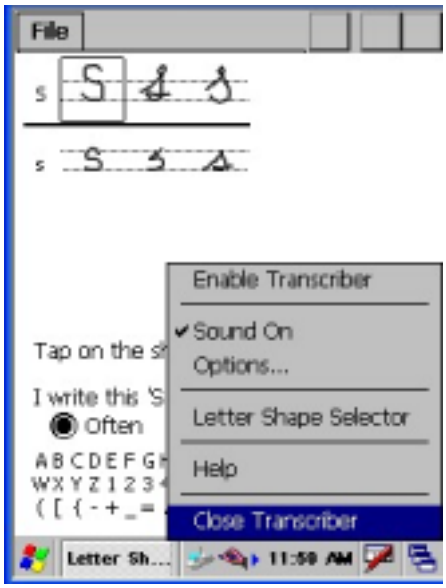




17. You can save this setting by selecting “File/Save” and load this setting anytime by “File/Load”. You can define this setting as Master for primary user. Other users who might use this terminal can make their setting and define as “Guest”. Also, you can return to default setting by selecting “File/Use Original Settings”.



18. Select “Close Transcriber” to terminate transcriber.



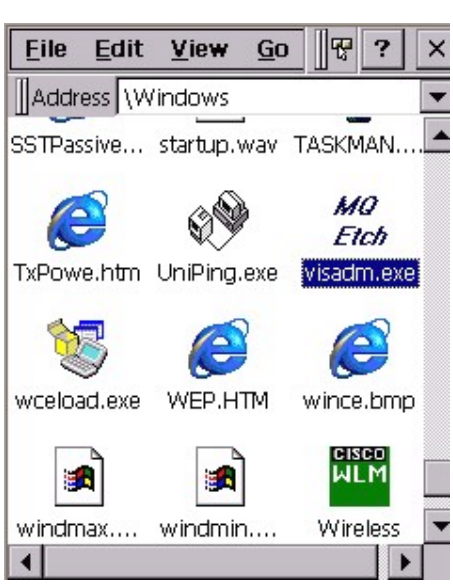
3.12 visadm

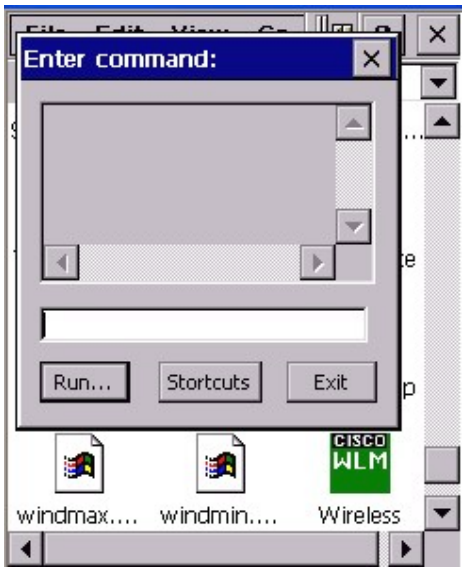
Path: My computer/Windows/visadm.exe

This tool supplies registration commands on its command line and redirect output to the file when you want to use MSMQADM.EXE on WIN CE. VISADM.EXE is a dialog box with an edit control that allows users to input MSMQADM commands as they would appear on the command line and view the output in a text box above. There is also a Shortcuts dialog box that automates several frequently used commands and allows you to view the MSMQ log file and MSMQ-specific registry entries.

1. To install MSMQ using the VISADM Utility

Run VISADM.EXE.





From the **Shortcuts** menu, choose **Install**.

From the **Shortcuts** menu, choose **Register** to create the registry entries.

1. Reboot the computer.
2. Test your installation.

Other Commands Available from the Visadm Shortcuts Menu

- The **Stop** command stops the MSMQ driver after it has been installed.

- The **Start** command restarts the MSMQ driver.
- The **Log** command displays the contents of the MSMQ log file.
- The **Verify** command interprets registry settings and produces readable

information about MSMQ installation.

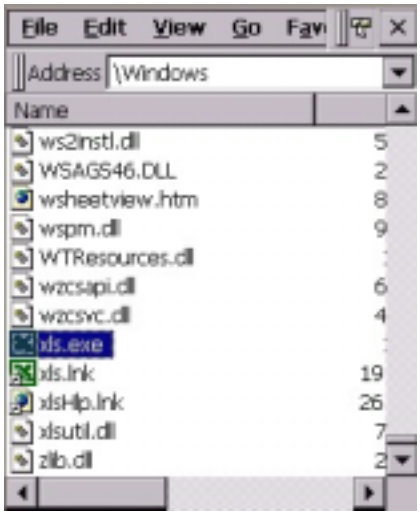
You can customize your installation options by using direct MSMQADM commands from the VISADM command prompt. Type the command in the edit box exactly as if you were supplying command-line arguments to MSMQADM and press the **Enter** key to execute. The output appears in the read-only dialog box that is displayed above the edit box.

3.13 xls

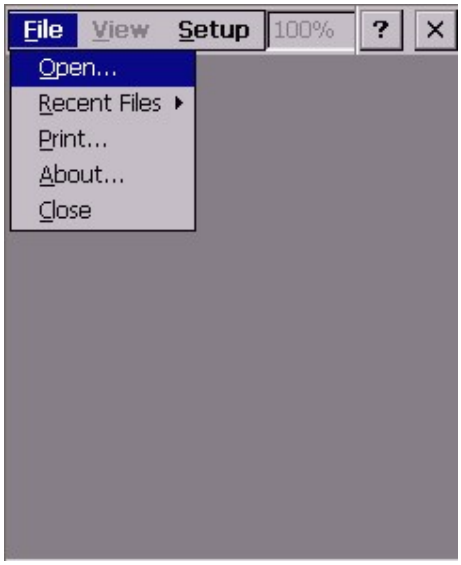
Path: /My Computer/Windows/xls.exe

This tool allows you to view xls format file on your terminal (Edit is not available)

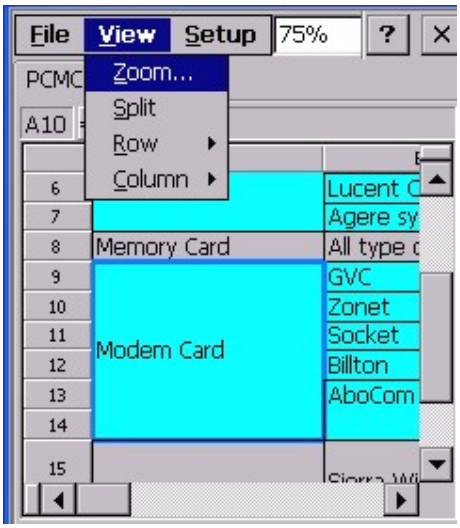
1. Double tap “xls”.

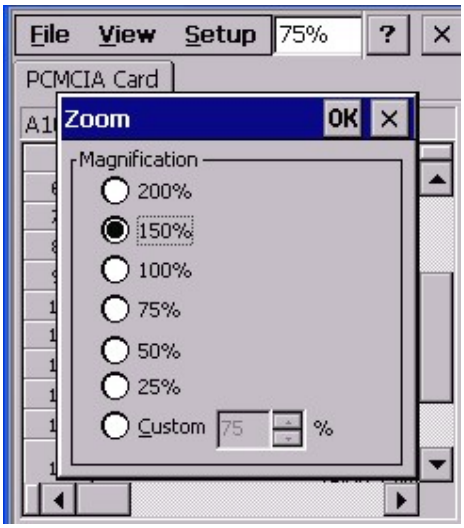


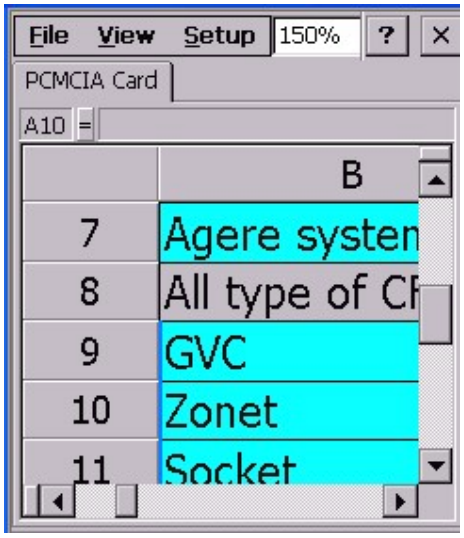
2. Under “File”, select “Open”. Select the excel file you want to open.



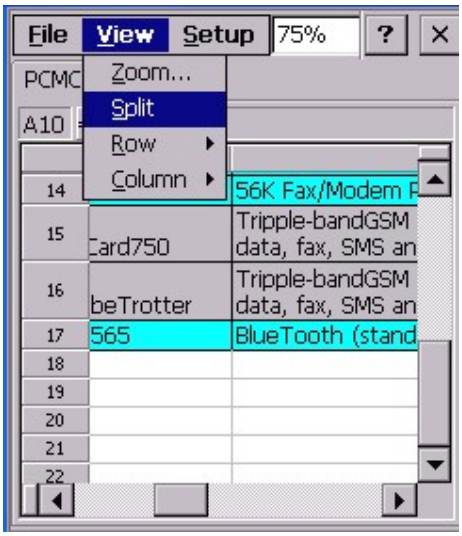
3. Under “View”, select “Zoom”. Select the zoom size you want. Tap “OK”.

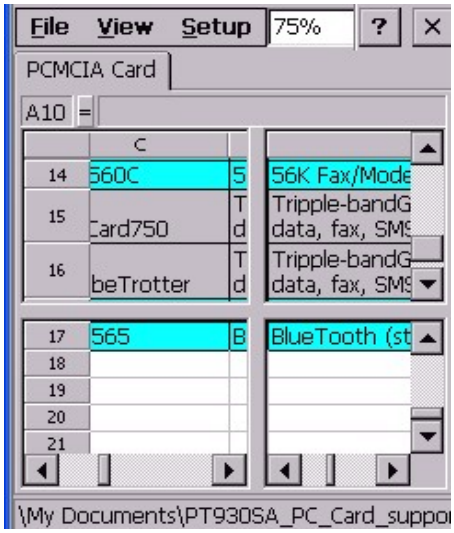




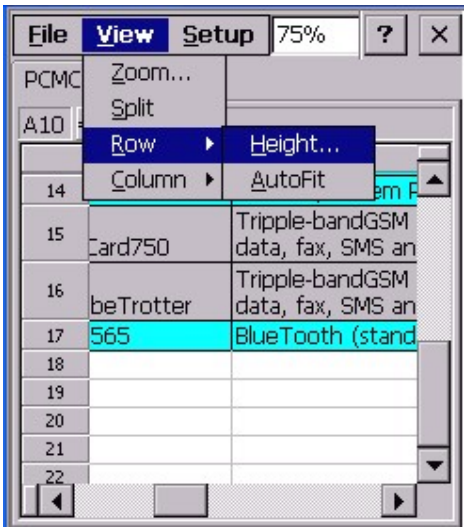


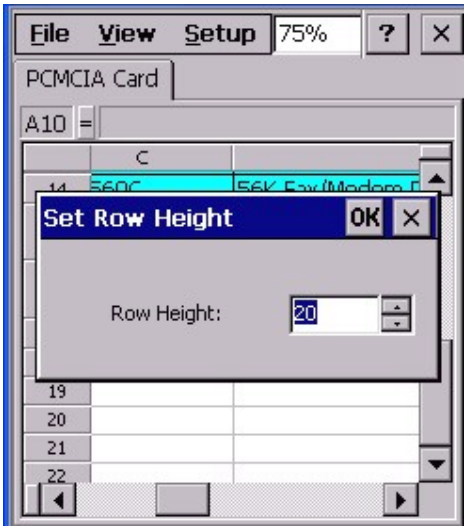
4. Under “View”, select “Split”. The screen of excel file will be shown in 4 panels. To go back to the normal view, select “Remove Split” under “View”.

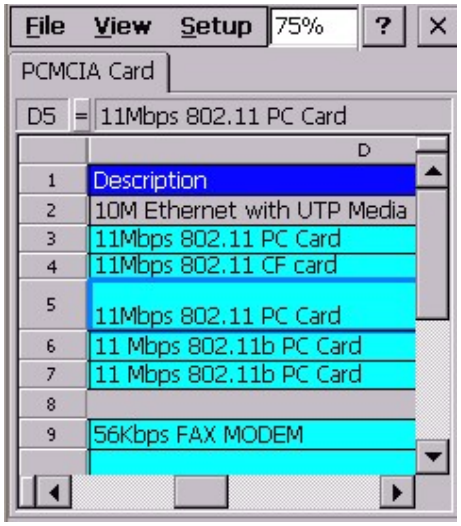




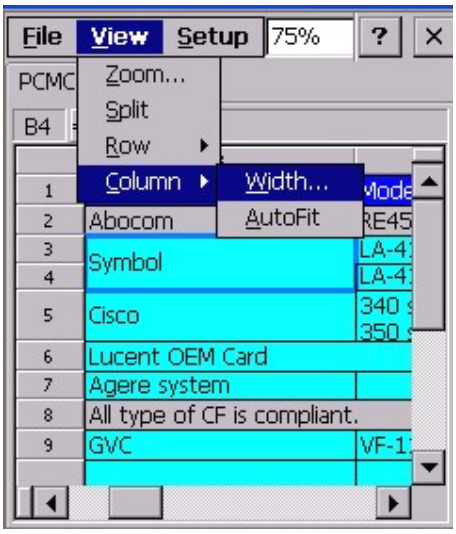
5. Under “View”, select “Row” > “Height”. Specify the height of the row. Tap “OK”. The height of the selected row will be changed.

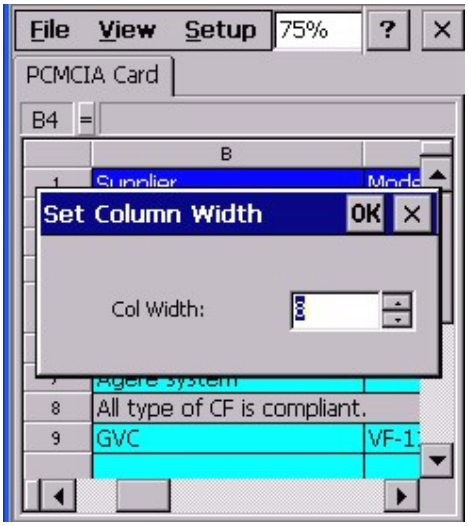


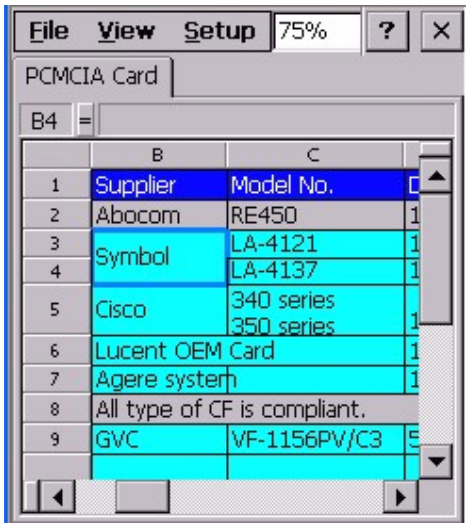




6. Under “View”, select “Column”. Select “Width”. Specify the width of the column. Tap “OK”. The width of the column is changed.





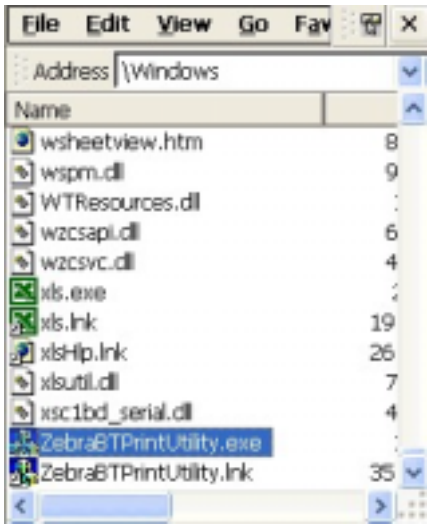


3.14 ZebraBTPrintUtility

Path: /My Computer/Windows/ZebraBTPrintUtility.exe

This tool allows you to print out data/barcode label from Zebra printer via bluetooth.

1. Double tap “ZebraBTPrintUtility”.



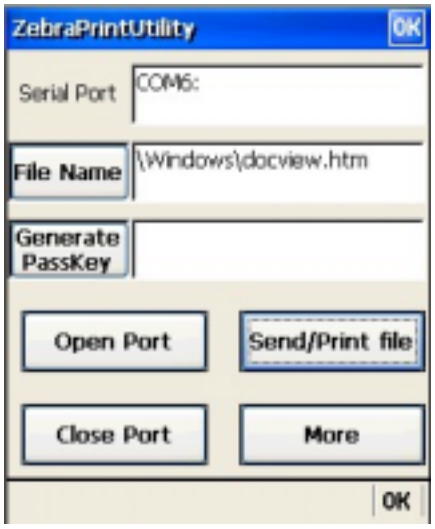
2. Define the serial port.

3. Tap “File name” and select the file you want to print.

4. Enter the passkey if necessary.

5. Tap “Open Port”.

6. Tap “Send/Print File” to print out the file.



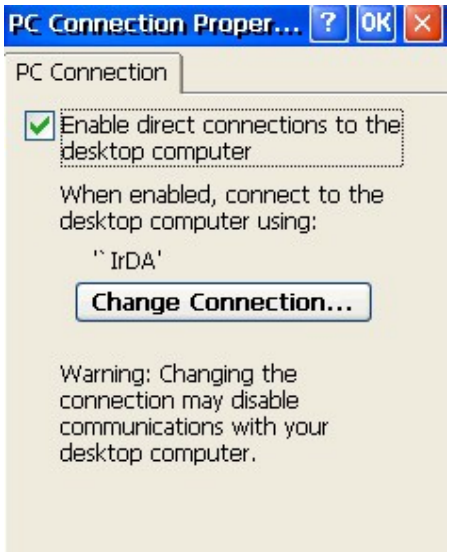
7. For more setting, tap “More”.

3.15 IrDA ActiveSync

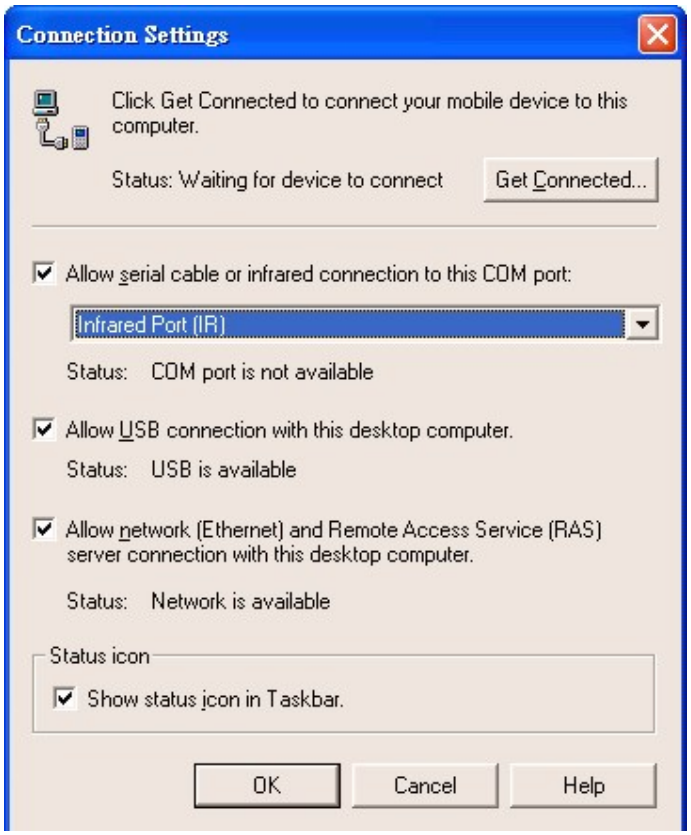
Path: /Start/Program/Communication/IrDA ActiveSync

This tool allows IrDA Activesync between the terminal and the host.

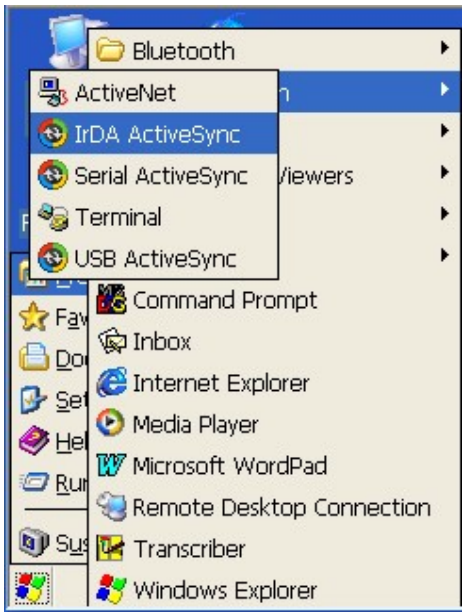
1. In Control Panel, double tap “PC Connection”. Change the connection to IrDA.


PC Connection Proper...
OK
PC Connection
Enable direct connections to the desktop computer
When enabled, connect to the desktop computer using:
'' IrDA'
Change Connection...
Warning: Changing the connection may disable communications with your desktop computer.

2. On the host, open ActiveSync. Under “File” menu, select “Connection Settings”. Allow Serial cable or infrared connection to this com port, select “Infrared Port”.


Connection Settings
Click Get Connected to connect your mobile device to this computer.
Status: Waiting for device to connect
Get Connected...
Allow serial cable or infrared connection to this COM port:
Infrared Port (IR)
Status: COM port is not available
Allow USB connection with this desktop computer.
Status: USB is available
Allow network (Ethernet) and Remote Access Service (RAS) server connection with this desktop computer.
Status: Network is available
Status icon
Show status icon in Taskbar.
OK
Cancel
Help

3. On /Start/Program/Communications, tap “IrDA Activesync”. Terminal is connected to host via IrDA. Data synchronization is available.



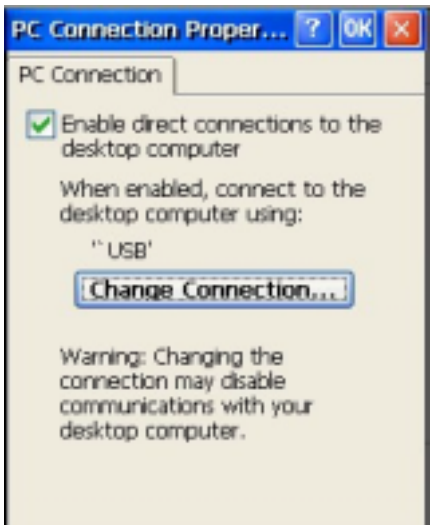
3.16 USB ActiveSync

Path: /Start/Program/Communication/USB ActiveSync

This tool allows USB Activesync between the terminal and the host.

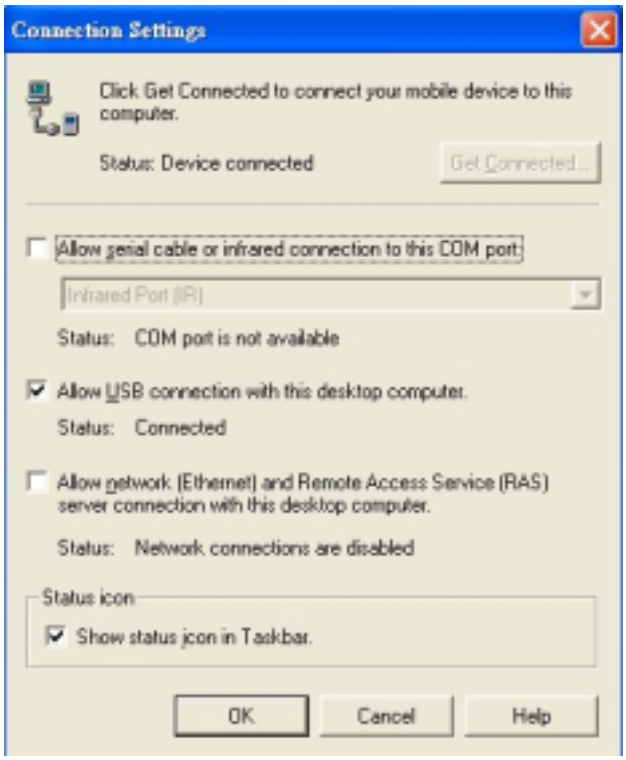
1. In Control Panel, double tap “PC Connection”. Change the connection to USB.

Plug in the USB cable to the terminal and the host.

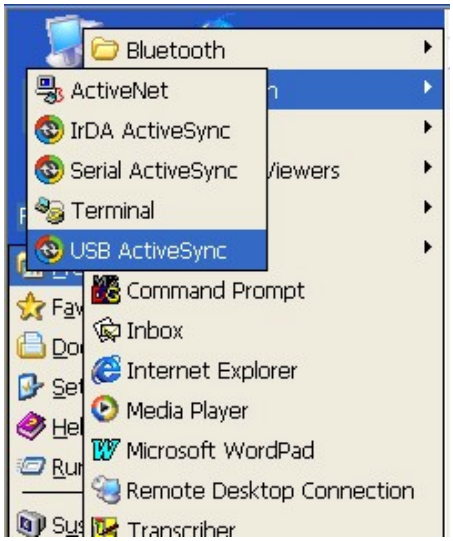

PC Connection Proper...
OK
PC Connection
Enable direct connections to the desktop computer
When enabled, connect to the desktop computer using:
'' USB'
Change Connection...
Warning: Changing the connection may disable communications with your desktop computer.

2. On the host, open ActiveSync. Under “File” menu, select “Connection Settings”.

Check “Allow USB connection with this desktop computer”. Tap OK.


Connection Settings
Click Get Connected to connect your mobile device to this computer.
Status: Device connected
Get Connected...
Allow serial cable or infrared connection to this COM port
Infrared Port (IR)
Status: COM port is not available
Allow USB connection with this desktop computer.
Status: Connected
Allow network (Ethernet) and Remote Access Service (RAS) server connection with this desktop computer.
Status: Network connections are disabled
Status icon
Show status icon in Taskbar.
OK
Cancel
Help

3. On /Start/Program/Communications, tap “USB Activesync”. Terminal is connected to host via USB. Data synchronization is available.

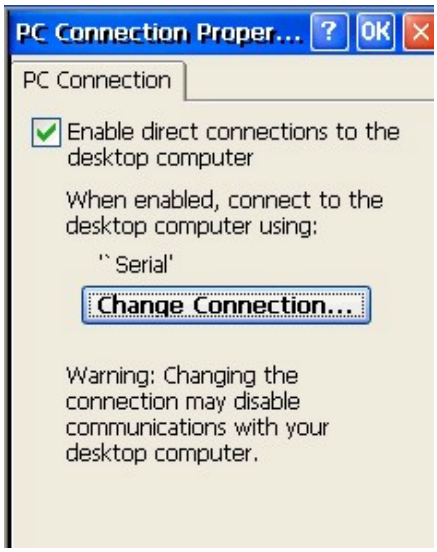


3.17 Serial ActiveSync

Path: /Start/Program/Communication/Serial ActiveSync

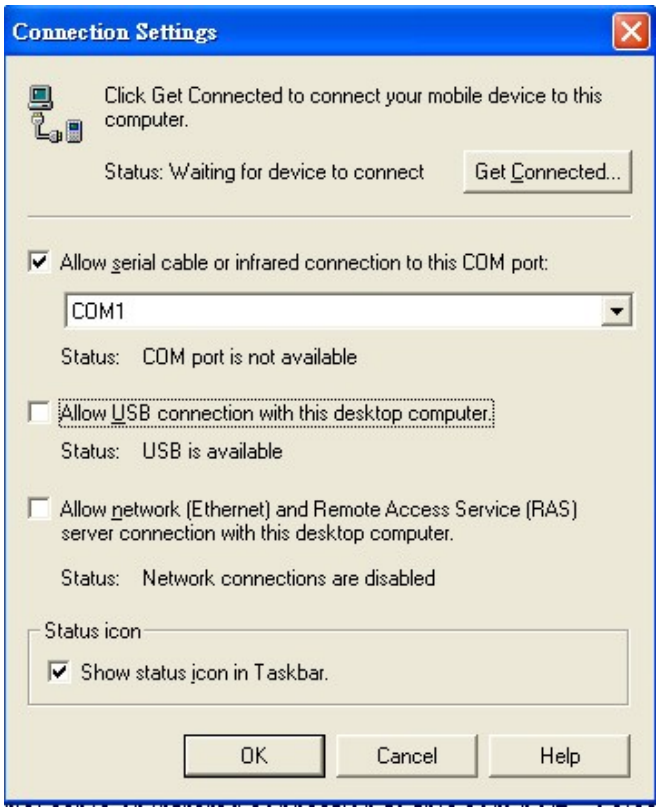
This tool allows Serial Activesync between the terminal and the host.

1. In Control Panel, double tap “PC Connection”. Change the connection to “Serial”.

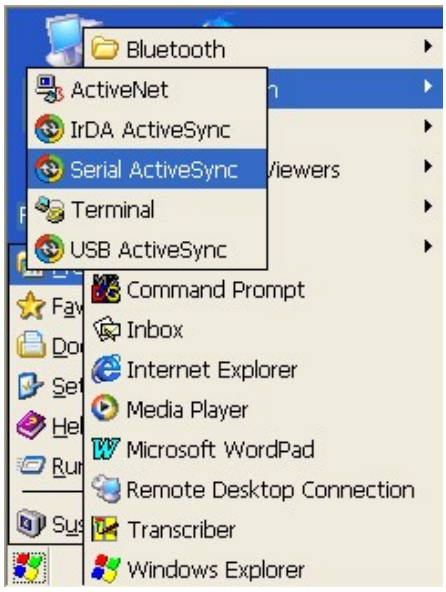

PC Connection Proper...
OK
PC Connection
Enable direct connections to the desktop computer
When enabled, connect to the desktop computer using:
`` Serial'
Change Connection...
Warning: Changing the connection may disable communications with your desktop computer.

2. On the host, open ActiveSync. Under “File” menu, select “Connection Settings”.

Check “allow serial cable or infrared connection to this com port”. Select your com port. Tap OK.


Connection Settings
Click Get Connected to connect your mobile device to this computer.
Status: Waiting for device to connect
Get Connected...
Allow serial cable or infrared connection to this COM port:
COM1
Status: COM port is not available
Allow USB connection with this desktop computer.
Status: USB is available
Allow network (Ethernet) and Remote Access Service (RAS) server connection with this desktop computer.
Status: Network connections are disabled
Status icon
Show status icon in Taskbar.
OK
Cancel
Help

3. On /Start/Program/Communications, tap “Serial Activesync”. Terminal is connected to host via RS232. Data synchronization is available.



Chapter 4 Control Panel

Settings under “Control Panel”

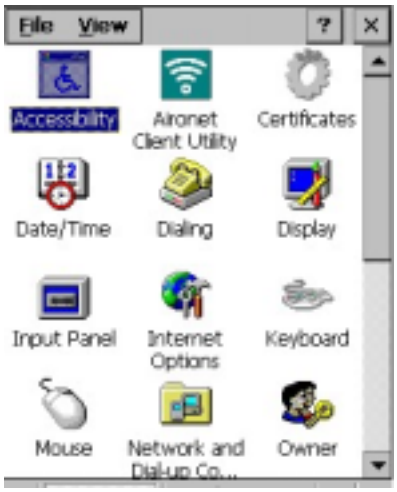
1. **Accessibility**
2. **Backlight**
3. **CPU Speed**
4. **Date/Time**
5. **Display**
6. **Firmware Info**
7. **Input Panel**
8. **Internet Options**
9. **Keyboard**
10. **Network and Dial-up connection**
11. **Owner**
12. **Password**
13. **PC Connection**
14. **Power**
15. **Regional Settings**
16. **Remove Programs**
17. **Storage Manager**
18. **Stylus**
19. **System**
20. **Volume & Sounds**

4.1 Accessibility

Path: /Start/Settings/Control Panel/Accessibility

This tool allows you to customize the sound's warning message and display contrast

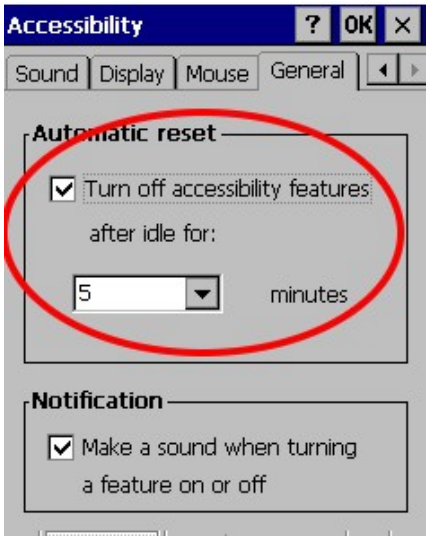
1. Double tap "Accessibility".



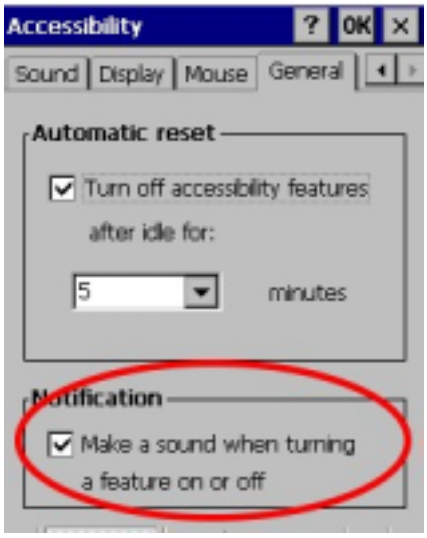
2. Under "Sound" tab, check "Use SoundSentry". Tap Settings, select the windowed programs which you want the system to warn. Tap OK, OK. You will see the selected program flash when it is selected.

3. Under “Display”, check “Use High Contrast”. Tap “Settings”. Under the color scheme, select White on black or Black on White. Tap OK, OK. The contrast of the screen will be changed according to the setting.

4. Under “General”, check “Turn off accessibility features after idle for”, set the time. Tap OK, OK. The feature you set in accessibility will lost effect after it idle for the time that you set.



5. Under “Notification”, check “Make a sound when turning a feature on or off”. Tap OK, OK.

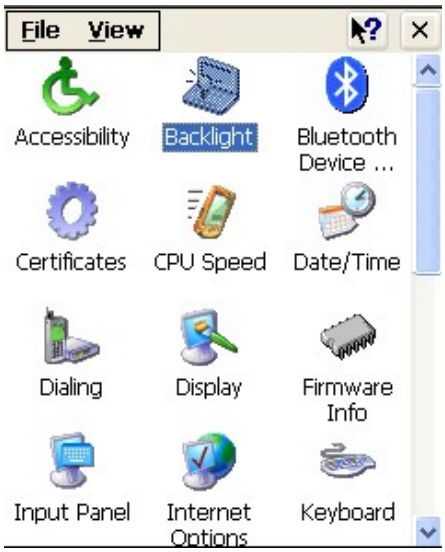


4.2 Backlight

Path:/Start/Settings/Control panel/Backlight

This tool allows you to set the backlight off time to save the power consumed.

1. Tap “Backlight”.



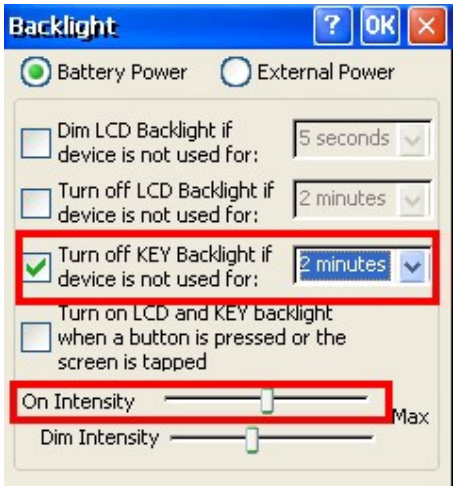
2. If you use terminal without power adapter, select “Battery Power”. Check “Dim LCD backlight if device is not used for”, determine the time by selecting from the drop down menu. The backlight of the terminal’s LCD will turn dark after it is idle for the time defined. You can define the dim intensity by dragging the button.

Backlight
OK
Battery Power
External Power
Dim LCD Backlight if device is not used for:
30 second
Turn off LCD Backlight if device is not used for:
2 minutes
Turn off KEY Backlight if device is not used for:
1 minute
Turn on LCD and KEY backlight when a button is pressed or the screen is tapped
On Intensity
Max
Dim Intensity

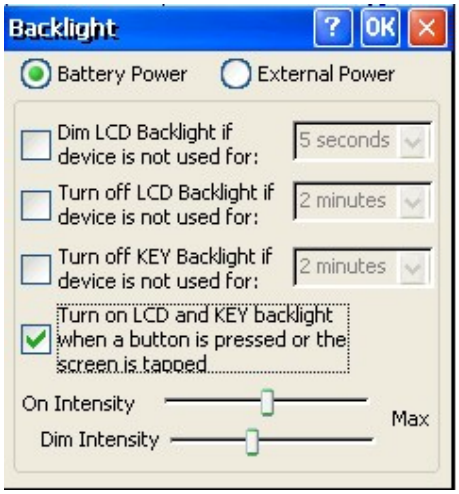
3. Check “Turn off LCD backlight if device is not used for”, determine the time by selecting from the drop down menu. The backlight of the terminal’s LCD will turn off after it is idle for the time defined. You can define the On intensity by dragging the button.

Backlight
OK
Battery Power
External Power
Dim LCD Backlight if device is not used for:
5 seconds
Turn off LCD Backlight if device is not used for:
2 minutes
Turn off KEY Backlight if device is not used for:
1 minute
Turn on LCD and KEY backlight when a button is pressed or the screen is tapped
On Intensity
Dim Intensity

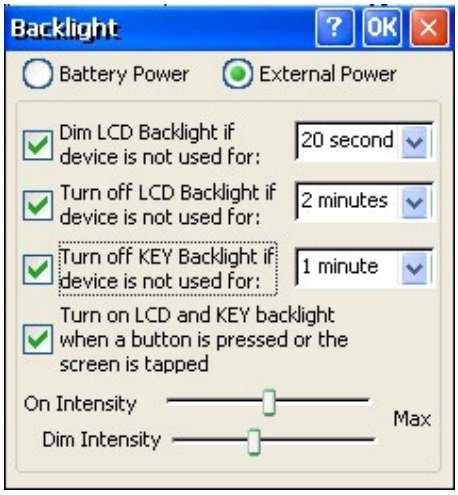
4. Check “Turn off key backlight if device is not used for”. Tap OK. The backlight of the keypad will turn off after it is idle for the time defined. You can define the On intensity by dragging the button.


Backlight
OK
Battery Power
External Power
Dim LCD Backlight if device is not used for:
5 seconds
Turn off LCD Backlight if device is not used for:
2 minutes
Turn off KEY Backlight if device is not used for:
2 minutes
Turn on LCD and KEY backlight when a button is pressed or the screen is tapped
On Intensity
Max
Dim Intensity

5. Check “Turn on LCD and Key backlight when a button is pressed or the screen is tapped”. Tap OK. Once the backlight is off, you may tap on the LCD screen or press any key to turn on the backlight.


Backlight
OK
Battery Power
External Power
Dim LCD Backlight if device is not used for:
5 seconds
Turn off LCD Backlight if device is not used for:
2 minutes
Turn off KEY Backlight if device is not used for:
2 minutes
Turn on LCD and KEY backlight when a button is pressed or the screen is tapped
On Intensity
Max
Dim Intensity

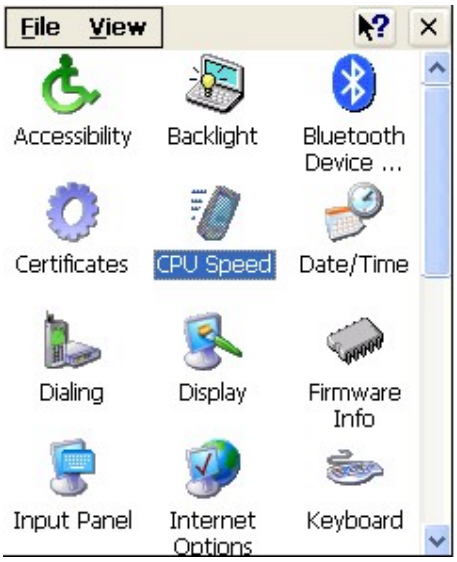
6. Plug in the power adapter. Select external power. Repeat step 2 ~ 5. Backlight will dim or turn off according to the time defined while terminal is used with power adapter.

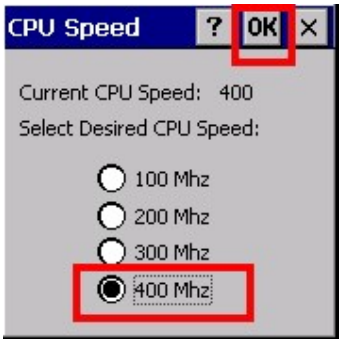

Backlight
OK
Battery Power
External Power
Dim LCD Backlight if device is not used for:
20 second
Turn off LCD Backlight if device is not used for:
2 minutes
Turn off KEY Backlight if device is not used for:
1 minute
Turn on LCD and KEY backlight when a button is pressed or the screen is tapped
On Intensity
Dim Intensity
Max

4.3 CPU Speed

Path:/ Start/Settings/Control Panel/CPU Speed

1. Tap CPU speed. Select the desired CPU speed.



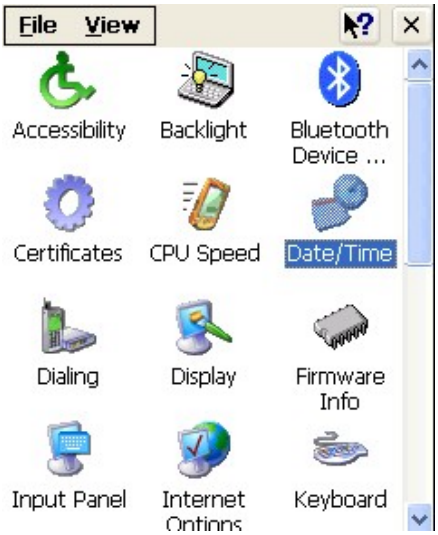


4.4 Date/Time

Path: Start/Settings/Control Panel/ Date / Time

This is the system date and time. You may set the date and time for the system.

1. Double tap the date/time.



2. Set the date from the calendar and set the time. You may select the time zone too. Then, click “Apply”.

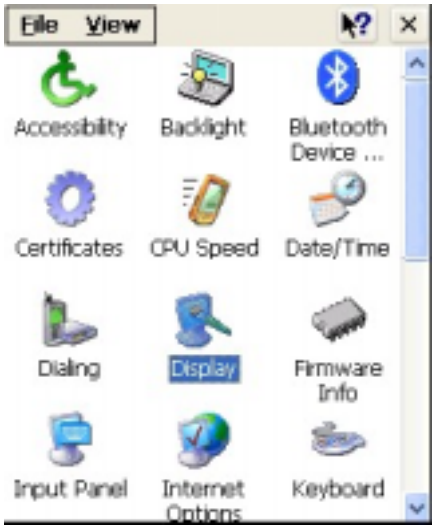
Date/Time Properties
OK
Date/Time
November 2003
S M T W T F S
26 27 28 29 30 31 1
2 3 4 5 6 7 8
9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 1 2 3 4 5 6
2 :18:09 PM
Time Zone
(GMT+08:00) Taipei
Daylight savings time
Apply

4.5 Display

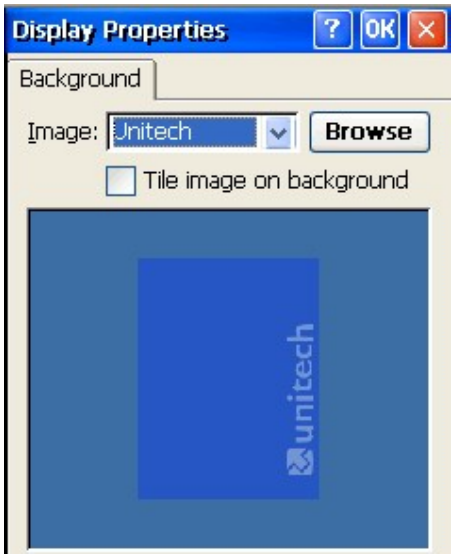
Path: Start/Settings/Control Panel/Display

This setting allows you to set the style of the windows background.

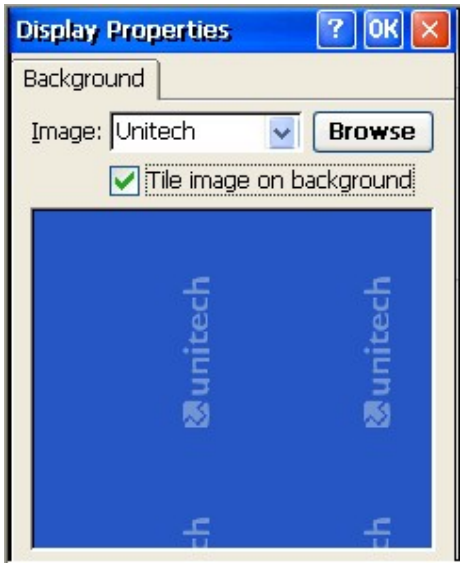
1. Double tap “Display”.



2. Under “Background” tab, for “Image”, select either Unitech background or Windows background from the drop down list. You may tap “Browse” to retrieve any bitmap file for background. Tap “OK”.



3. Check “Tile image on background”. The image will be tiled up.

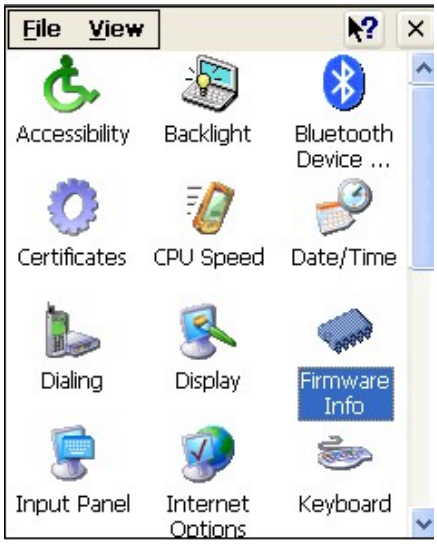


4.6 Firmware Info

Path: Start/Settings/Control Panel/Firmware Info

It will show the firmware information and memory size.

1. Double tap “Firmware Info”.



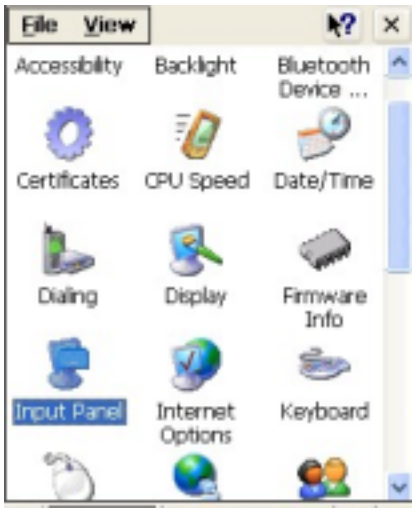
2. A message pop up showing OS version, ROM & RAM size etc.

4.7 Input Panel

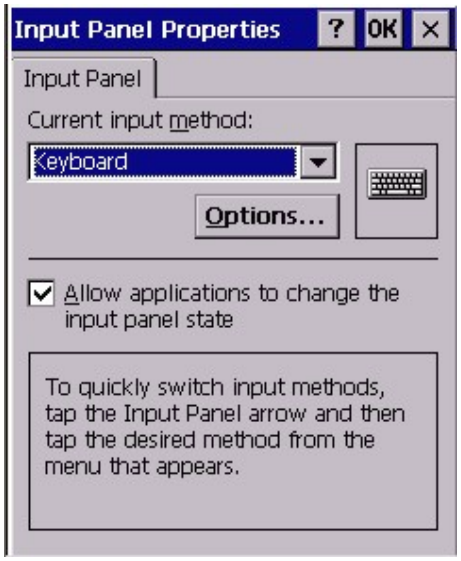
Path: Start/Settings/Control Panel/Input Panel

This setting is to specify the input method and the keyboard style of the software keyboard.

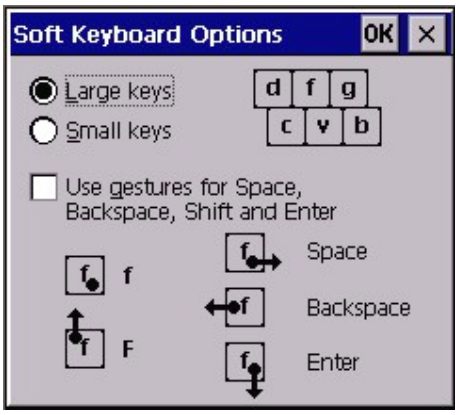
1. Double tap “Input Panel”.



2. For “current input method”, select the input method you prefer. Tap “OK”.

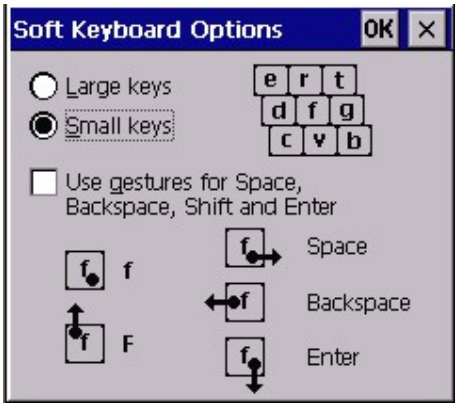

Input Panel Properties
?
OK
Input Panel
Current input method:
Keyboard
Options...
Allow applications to change the input panel state
To quickly switch input methods, tap the Input Panel arrow and then tap the desired method from the menu that appears.

3.. Tap “Options”. You may specify the large keys or small keys. For Example, select “Large keys”. Tap “OK”, “OK”.



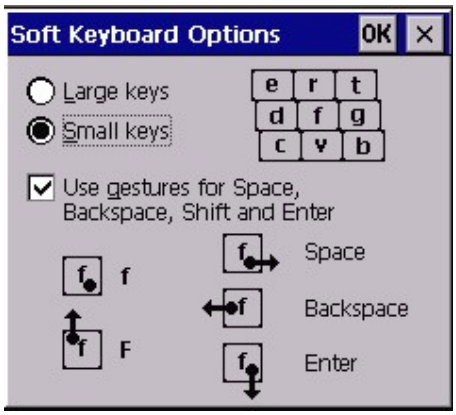
File View
Certificates
CPU Speed
Date/Time
Dialing
Display
Firmware Info
Input Panel
Esc q w e r t y u i o p
Tab a s d f g h j k l *
Shift z x c v b n m ; ' ↵
123 áü Ctl @ &
, . / ?

4. For Example, select “Small keys”. Tap “OK”, “OK”.



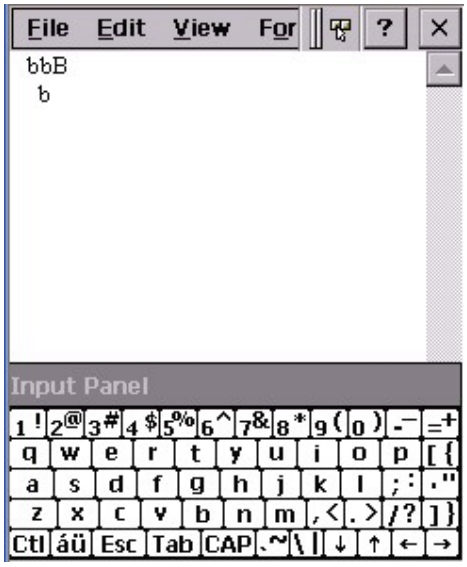
File View
Certificates
CPU Speed
Date/Time
Dialing
Display
Firmware Info
Input Panel
Esc 1 2 3 4 5 6 7 8 9 0 - =
Tab q w e r t y u i o p [ ]
CAP a s d f g h j k l ; '
Shift z x c v b n m , . / ↵
Ctl áü ` \
↓ ↑ ← →

5. You may use gesture so that you can use the stylus to slide the software key to indicate the main key and space, backspace, enter key and shift key. Tick “Use gestures for Space, backspace, Shift and Enter. Tap “OK”, “OK”.



6. Open pocket word. Tap the software keyboard. Tap a key and slide upwards.

You should see the “Shift” key value. For example, Tap “b” key and slide upwards will return “B”. You may try to tap the key and slide downwards, to left side and right side to see the effect.

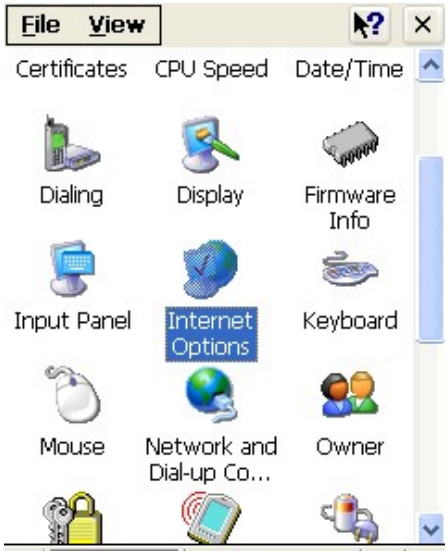


4.8 Internet Options

Path: /Start/Settings/Control Panel//Internet Options

This setting allows you to specify the home page, clear cache, specify connection, define the security and make advance settings of the IE browser.

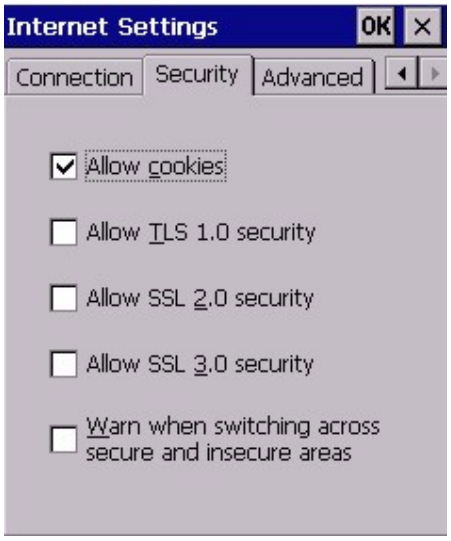
1. Double tap “Internet Options”.



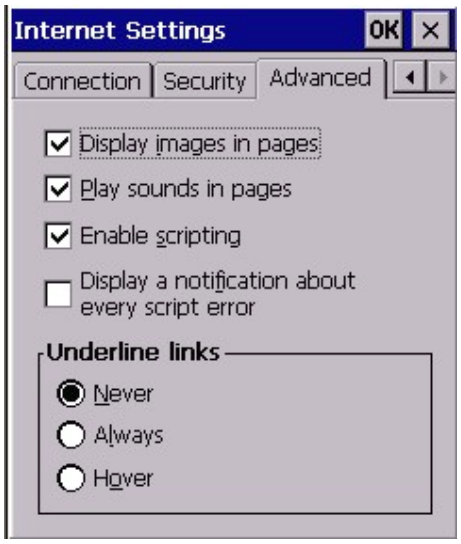
2. Define your start page and search page. Tap “Clear cache” to clear the cache and tap “clear history” to clear the internet’s history records. Tap “OK”.

3. Under “Connection”, specify the network connection you want the browser to connect to the network.

4. Under “Security”, specify the security option for your browser.



5. Under “Advanced” tab, click and select the options you want the browser to apply.

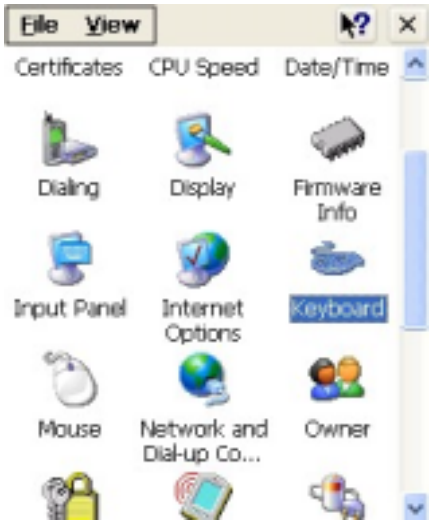


4.9 Keyboard

Path: Start/Settings/Control Panel/Keyboard

This setting allows you to specify the behavior of the terminal keypad. (Hardware keyboard).

1. Double tap “Keyboard”.



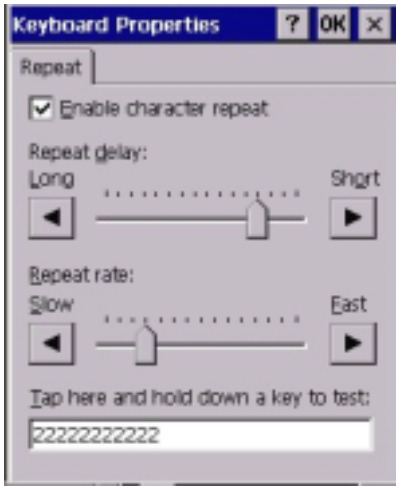
2. Check “Enable character repeat”.

3. Adjust the repeat delay and repeat rate.

4. Place the cursor in the field of “Tap here and hold down a key to test”.

5. Press and hold a key on the keypad.

6. You should see the character is repeated until you release the key.



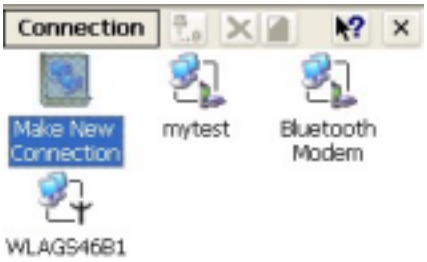
4.10 Network and Dial-up Connection

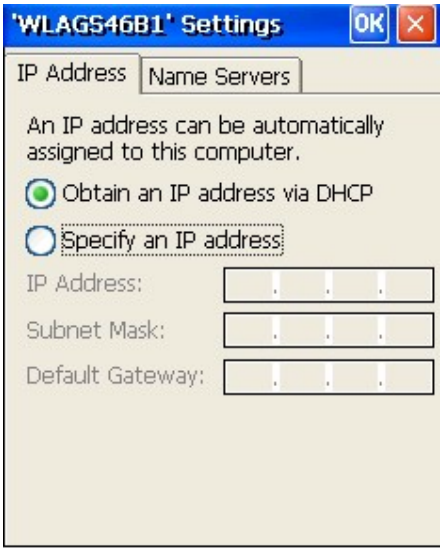
Path: Start/Settings/Control Panels/Network and Dial-up connection

This setting is to configure the network setting and Dial-up connection.

1. Double tap “Network and Dial-up connection”.

2. Double tap “Bluetooth Modem” to connect the terminal via bluetooth. For WLAGS46B1, tap to specify the IP address and DNS servers.



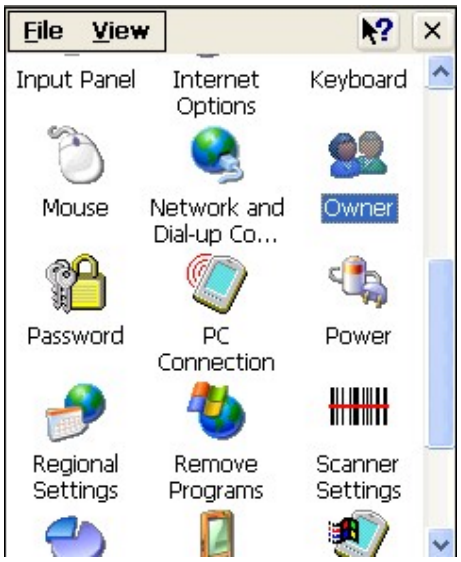


4.11 Owner

Path: /Start/Settings/Control Panel/Owner

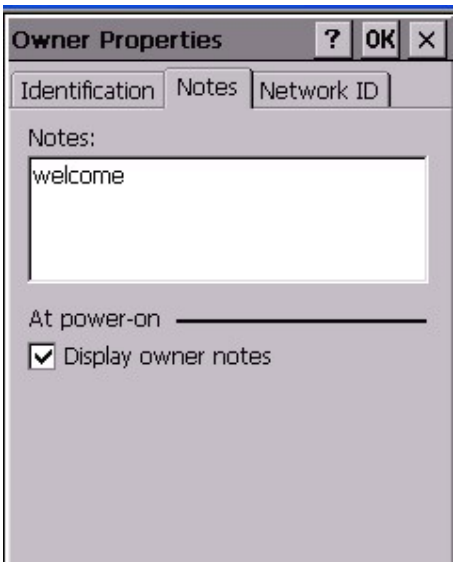
This settings is to define the owner of this terminal, set the network ID etc.

1. Double tap “Owner”.

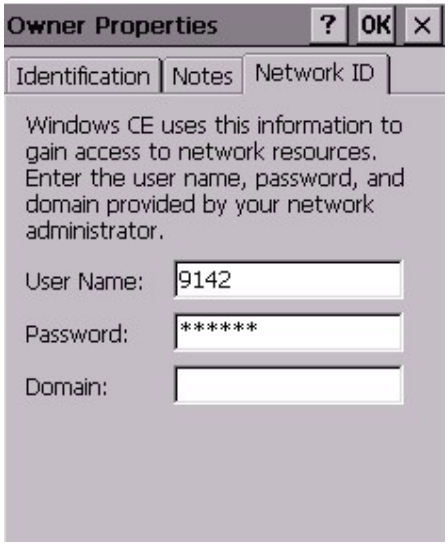


2. Key in the name of the owner, company and the address of the company. Check “Display owner identification”.Tap “OK”. The system will display the owner identification after suspend.

3. Under “Notes”, Key any message and check “Display Owner Notes”.Tap “OK”. System will display the notes after suspend.



4. Under “Network ID”, specify the user name and password that allow you to access the network.

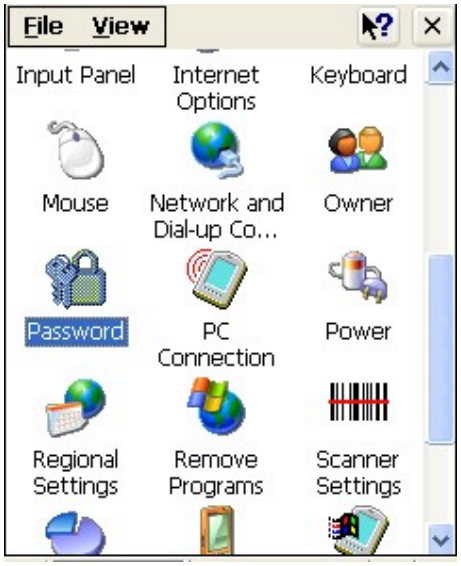


4.12 Password

Path: Start/Settings/Control Panel/Password

This setting is to protect the terminal from other users to access the windows by setting a unique password.

1. Double tap “Password”.



2. Key in your password twice. Check “Enable password protection at power on” and “Enable password protection for screen saver”.

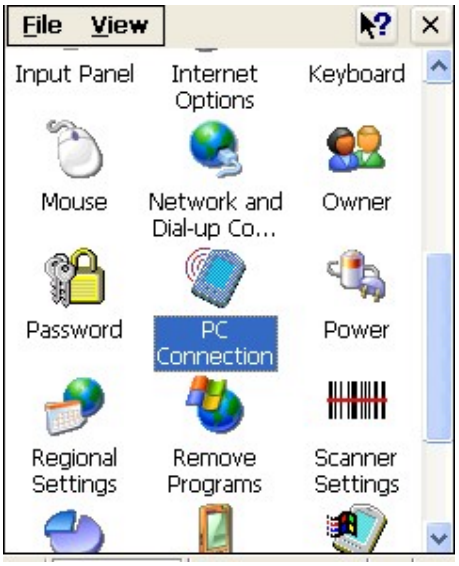
3. Warm start your terminal. Enter your password to login.

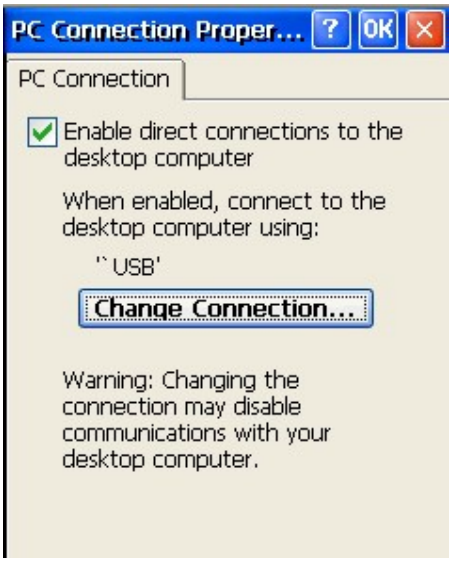
4.13 PC Connection

Path: /Start/Settings/Control Panel/PC Connection

This setting allows you to set the device name and specify which type of communications you want to set for the device to communicate with the host.

1. Double tap “PC Connection”.




PC Connection Proper...
OK
PC Connection
Enable direct connections to the desktop computer
When enabled, connect to the desktop computer using:
`USB'
Change Connection...
Warning: Changing the connection may disable communications with your desktop computer.

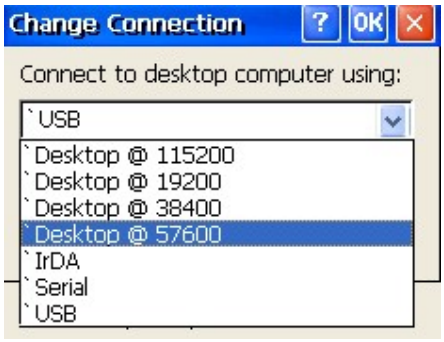
2. Check “Enable direct connection”. Tap “Change Connection”. Select the type of communication that you connect the terminal to your host.

Example:

If you use RS232 cable, you may select “Desktop@57600” or “Desktop@38400” or “Serial”.

If you use USB cable, please select “USB”.

If you use IrDA, please select “IrDA”.



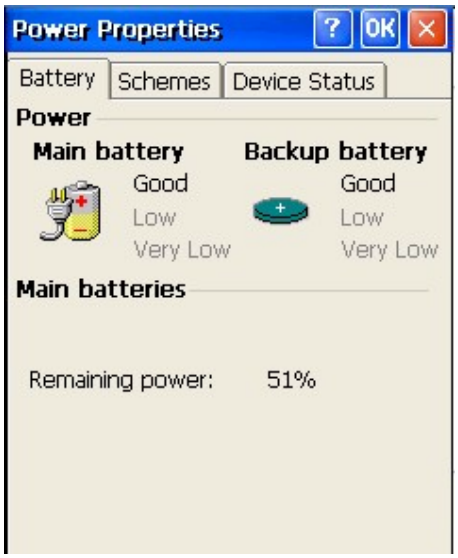
4.14 Power

Path: /Start/Settings/Control Panel/Power

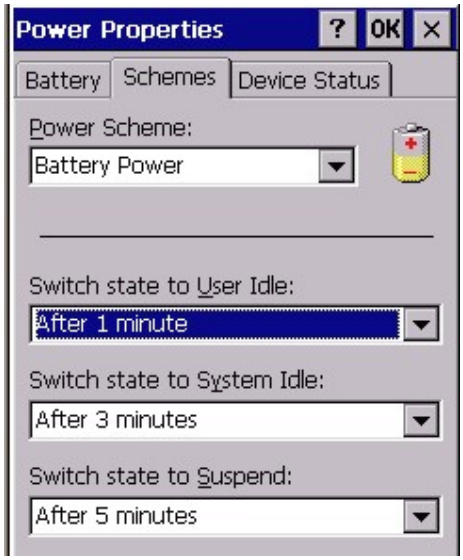
This setting is to show the power voltage of the batteries, besides allow you to suspend the terminal after a time interval to save the power.

1. Double tap “Power”.

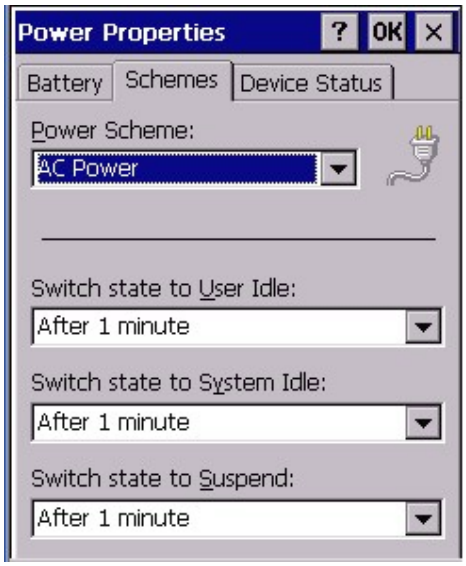
2. Under “Battery” tab, the screen shows you the status and voltage of main battery and backup battery.



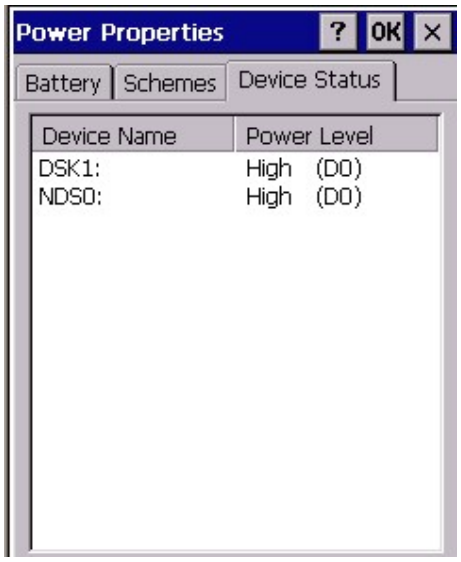
3. Under “Schemes”, For Power Scheme, select “Battery Power”. Then, define the idle time for user, system and suspend.



4. Change power scheme to “AC Power”. Define the idle time for user, system and suspend.



5. Tap“Device Status”, the power levels are shown.



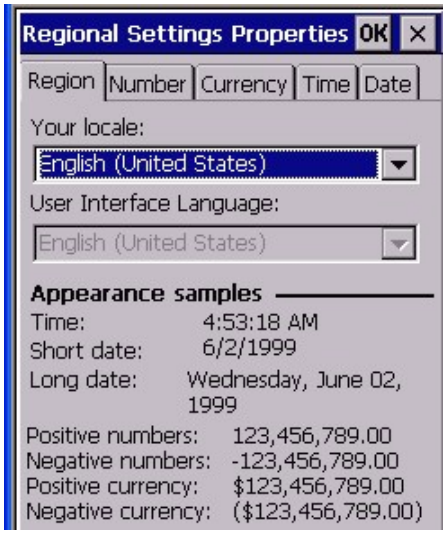
4.15 Regional Settings

Path: Start/Settings/Control Panel/Regional Settings

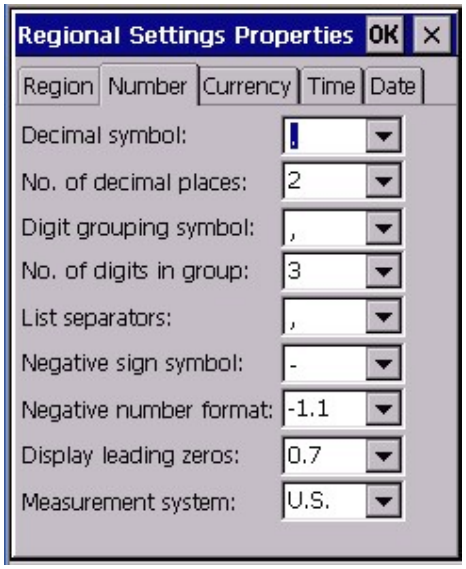
This setting is to set the regional settings, currency, date format etc.

1. Double tap “Regional Settings”.

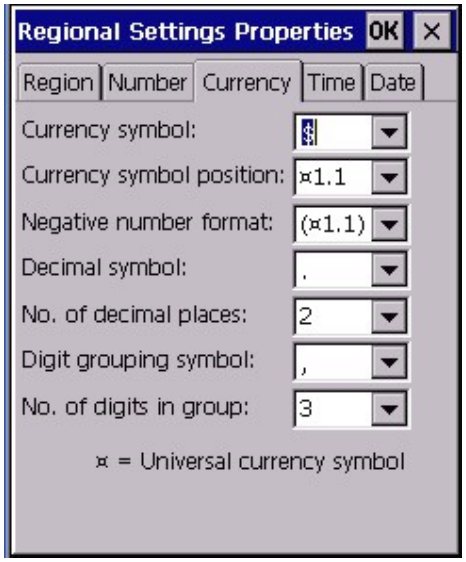
2. Under “Region”, select the region you want to use.



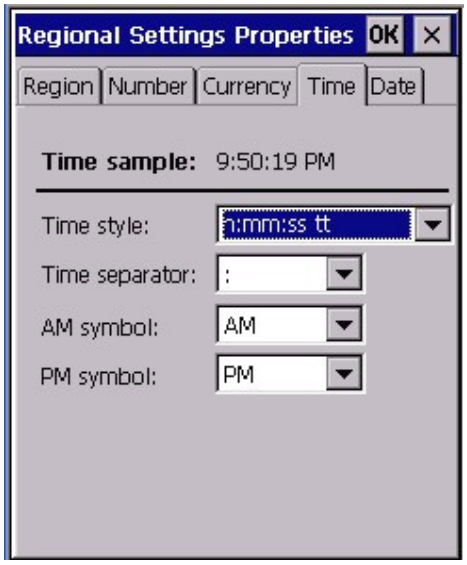
3. Under “Number” tab, select the symbol and format you want.



4. Under “Currency”, select the symbol and format you want.



5. Under “Time”, select the time format.



6. Under “Date”, select the date format.

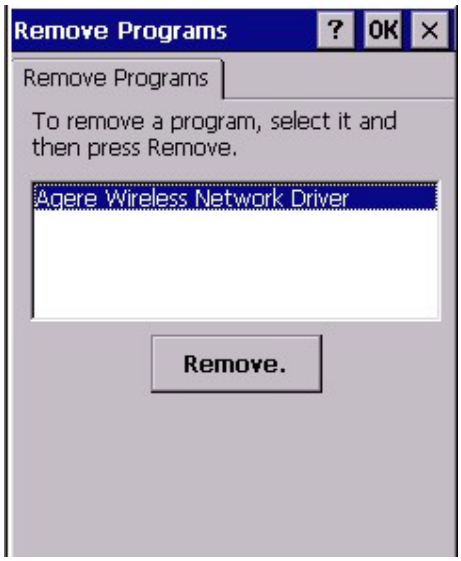
4.16 Remove Program

Path: /Start/Settings/Control Panel/Remove Program

This setting is to allow you to remove unwanted program.

1. Double tap “Remove Program”.

2. Select the program you want to remove. Tap “Remove”.



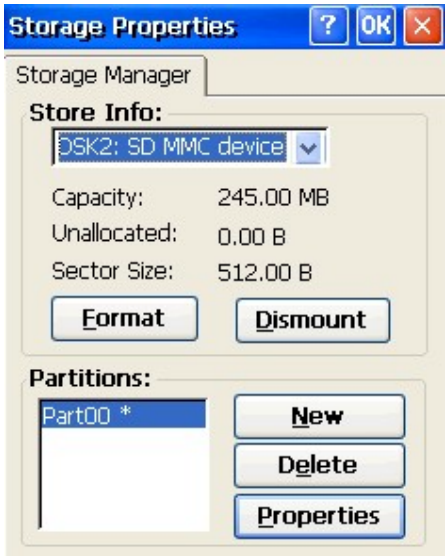
4.17 Storage Manager

Path: Start/Settings/Control Panel/Storage Manager

Storage manager allows the users to check the information of the storage disk and format, dismount or make new partition on storage disk.

1. Double tap “Storage Manager”.

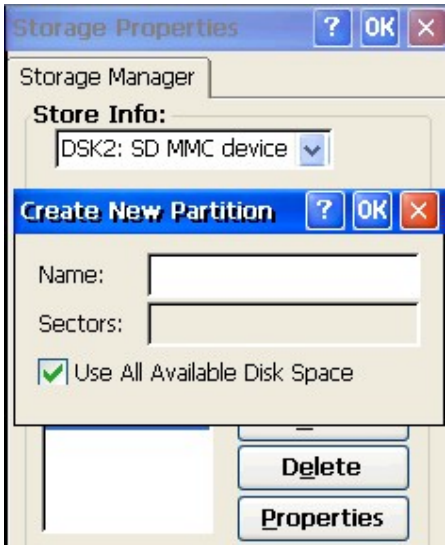
2. Select the storage disk you want to view. Capacity and sector size are shown.



4. Tap “Format” if you want to format your CF card. Tap “Yes” to confirm to erase data.

5. Tap “Dismount” to dismount disk.

6. To make a new partition, tap “New” and type in the name of the partition.

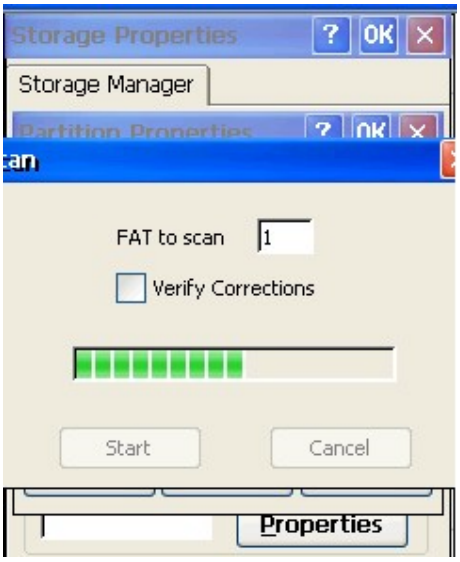


7. Select a partition, tap “Properties”.

8. Tap “Mount” to mount this partition. Or tap “Dismount” to dismount the partition.

9. Tap “Format” to format this partition.

10. Tap “Scan” to scan this partition. Tap “Start”. After scan completed, tap “OK”.



11. Tap “Defrag” to defrag this partition. Tap “Start”.

12. Select a partition you want to delete. Tap “Delete”. Tap “Yes”.

(Note: You must “Dismount” the partition before you delete it)

4.18 Stylus

Path: Start/Settings/Control Panel/Stylus

This setting is to set the sensitivity of the tapping and to do the calibration.

1. Double tap “Stylus”.

2. Under “Calibration”, tap “Recalibrate”. Calibrate the screen using the stylus.

Stylus Properties
OK
Double-Tap
Calibration
If your device isn't responding properly to your taps, you may need to recalibrate your screen.
To start the recalibration process, tap Recalibrate.
Recalibrate

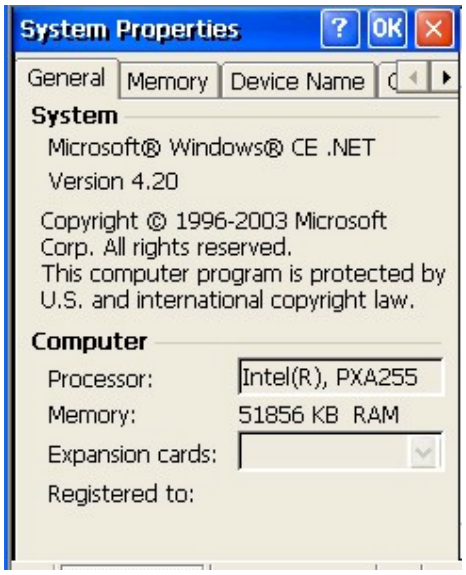
4.19 System

Path : Start/Settings/Control Panel/System

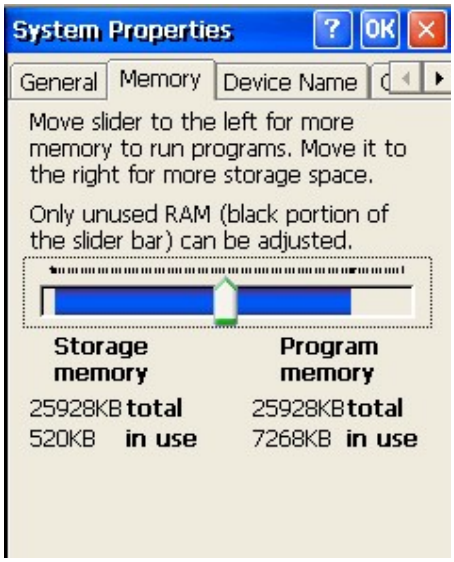
This setting is to show you the general information of the system and allow you to adjust the size of storage memory and program memory.

1. Double tap “System”.

2. System shows the version of the Win CE and the hardware information of the terminal.



3. Under “Memory”, adjust the size of the memory by using the slider.


System Properties
OK
General
Memory
Device Name
Move slider to the left for more memory to run programs. Move it to the right for more storage space.
Only unused RAM (black portion of the slider bar) can be adjusted.
Storage memory
Program memory
25928KB total
520KB in use
25928KB total
7268KB in use

4. Under “Device Name”, specify the name of the device.

4.20 Volume & Sounds

Path: Start/Settings/Control Panel/Volume & Sounds

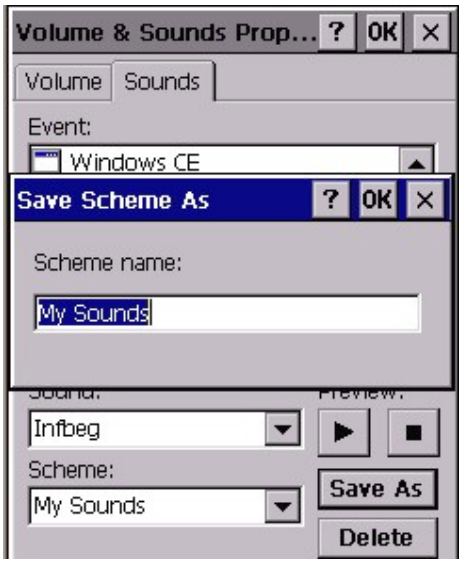
This setting allows you adjust the volume of the tapping , key clicks, events, notifications etc. Also, it allows the user to specify the type of sounds for a special event and set a scheme for the sounds.

1. Double tap “Volume&Sounds”.

2. Adjust the volume and tick the options that you want the sound to apply on.

3. To build a new scheme, tap “Save As”.

4. Enter a name for the scheme.



5. Under “Events”, click any events. Select the sounds. Tap the Preview button to listen to the sounds.

6. To delete an event from the scheme, tap “Delete”.

7. Tap “Save As” to overwrite when you make new change.

8. You have a new scheme for sounds. You may select any scheme you want at anytime.

Chapter 5 Available Function Keys

1. **Func + Esc (Calibration)**
2. **Func + Right Arrow (Contrast high)**
3. **Func + Left Arrow (Contrast low)**
4. **Func + 7 (Scanner Setting)**
5. **Func + 9 (Device Information)**

5.1 Func + Esc

Press Func key and Esc key. Calibration is ready to be executed. Calibrate the screen by stylus.

Align Screen
Carefully press and briefly hold stylus on the center of the target. Repeat as the target moves around the screen.

5.2 Func + Right Arrow

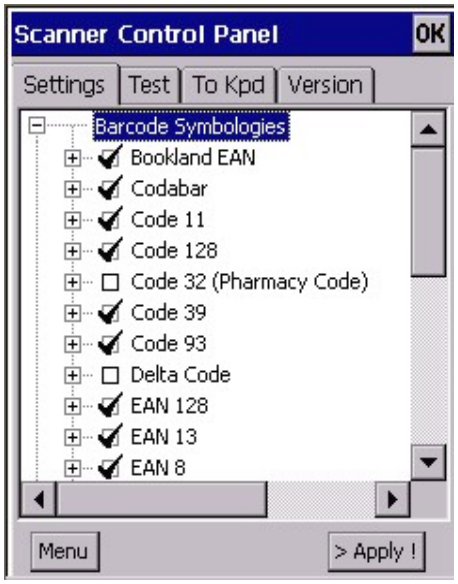
Pressing Func key + Right Arrow key will turn the screen brighter.

5.3 Func + Left Arrow

Pressing Func key and Left Arrow key will turn the screen darker.

5.4 Func + 7

Pressing Func key and key “7” will run scanner setting.(Refer to chapter 2.5)



5.5 Func + 9

Pressing Func key and numeric key “9” will show the device information.

System Information
OS Version: V1.08
Hamster Version : V4.9 May 19,2004
Boot Loader: V1.44
Program memory total : 26.6 MB
Storage memory total : 26.5 MB
Main Battery : External Power is Detectec
Backup Battery : High(100%)
GUN Battery : None
Gasgauge : Battery driver can't support s
PCMCIA : None
SD Card : None
Product ID :
Get GPRS Version
FUNC9 V1.08.06
Copyright (c) 2004 Unitech
unitech

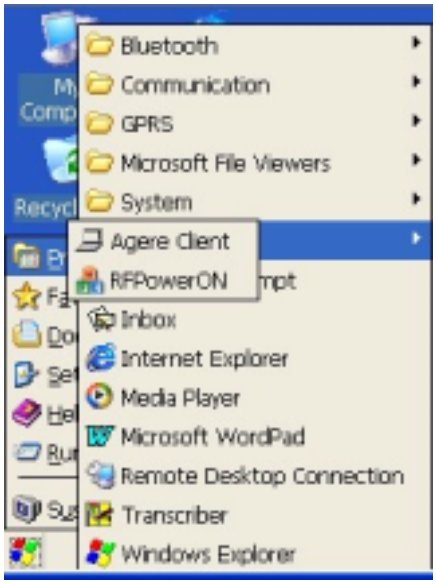
Chapter 6 Wireless Communication, Bluetooth and GPRS

PA970(.NET 4.2) come with built in wireless module ,bluetooth module and GPRS module that allows the users to set the wireless setting for wireless RF connection ,to search remote bluetooth devices and make GPRS connection.

1. Wireless Communication
2. Bluetooth
3.GPRS

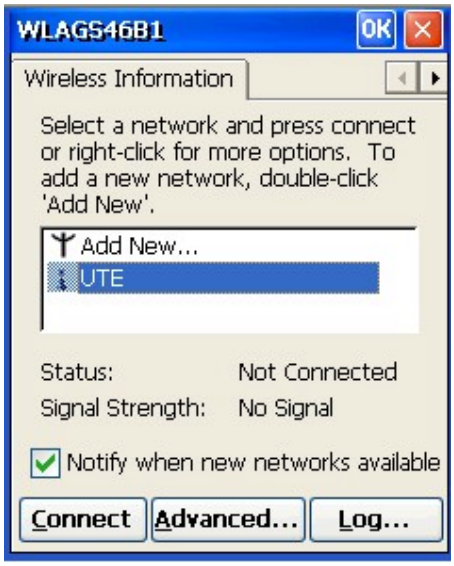
6.1 Wireless Communication

1. On /Start/Program/Wireless, select “RFPowerON”.



2. Select RF Wireless Card Power ON. Tap OK.

3. You will see the following screen. Double tap your preferred network or tap “Add New” to create a new one.



Note; In many occasions Active Sync connection should be terminated before (wireless) network connection is enabled.

2.In normal situations;

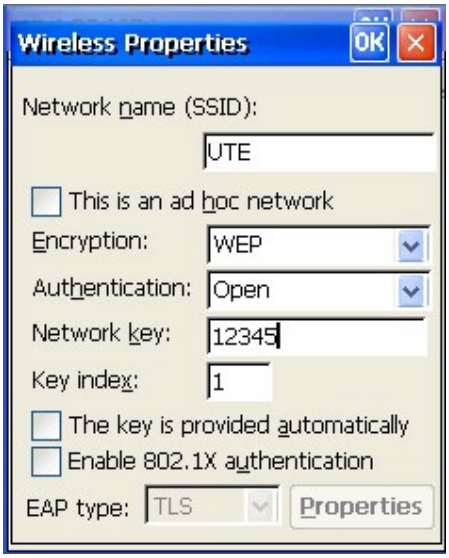
Encryption WEP
Authentication Open
Disable the automatic key providing
Enter the Network key.

Entering 5 characters for 40 bit WEP encryption.

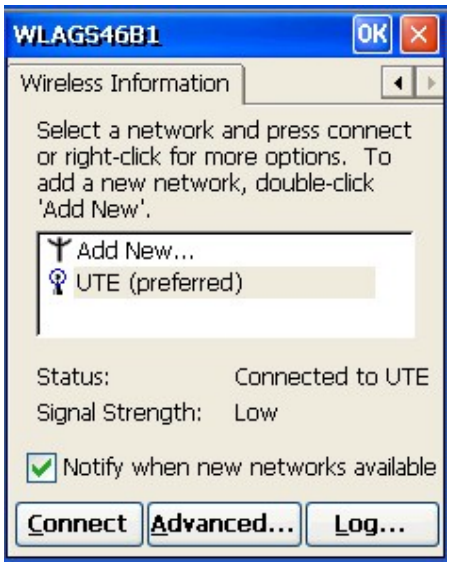
Entering 8 characters for 64 bit WEP encryption.

Entering 16 characters for 128 bit WEP encryption.

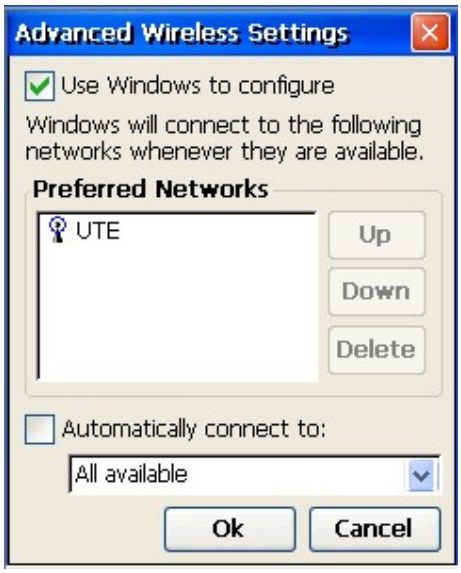
Note; in case of using WEP encryption verify if the Card support the preffered type of encryption.



4. After this setting the screen should show (after some seconds) the status as "Associated" and indicate the signal strength



5. When using multiple networks it is possible to set the preferred Network(s) with the Advanced button.



6. At normal operation circumstances the connection to the Network is indicated by an Icon on the taskbar.

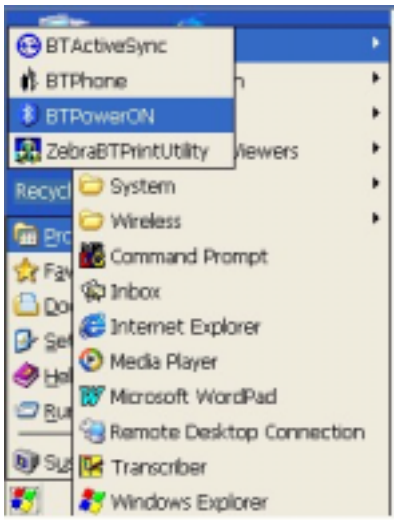
7. Double tap the icon will bring up the parameters on TCP/IP and Wireless Network.

6.2 Bluetooth Module

6.2.1 Print via bluetooth

Equipment used (Example)
Zebra QL320 with integrated BT module.

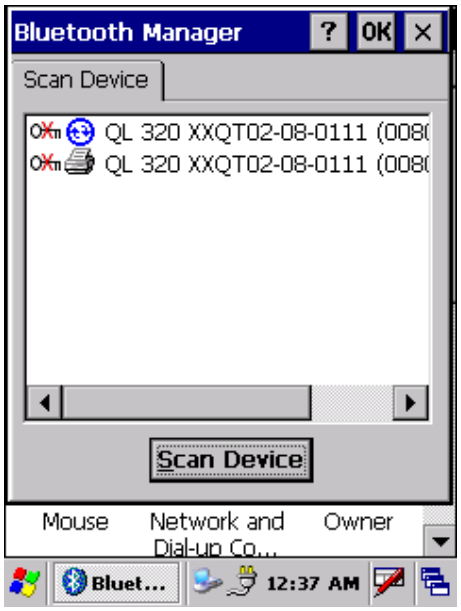
1. Go to Start/Program/Bluetooth, select BTPowerON.



2. Select “Bluetooth Module Power ON”. Tap OK.

3. Power on the Zebra QL320 and wait a few seconds for the QL320 BT module to initialize.

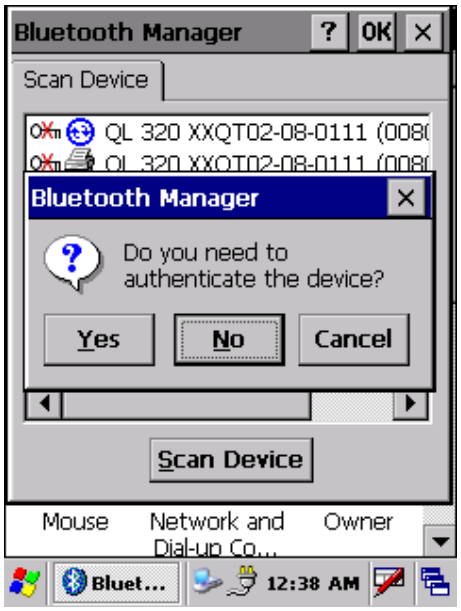
4. In Control panel, tap “Scan Device” on the Bluetooth Manager.



After 10 to 30 seconds, the Zebra QL320 is found.

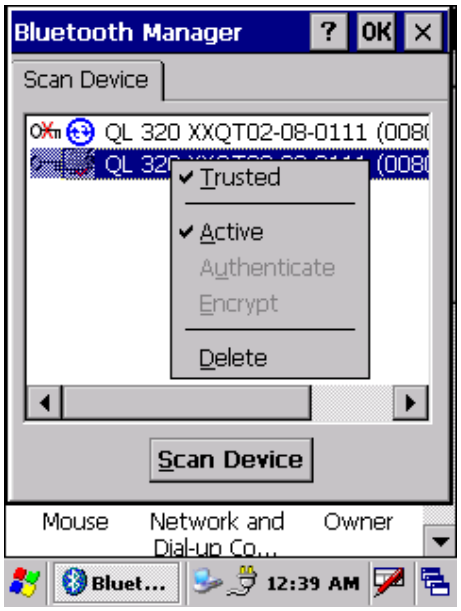
5. Double tap the printer icon to get the context menu.

6. Tap “trusted”. A dialog box appears asking if authentication is required.

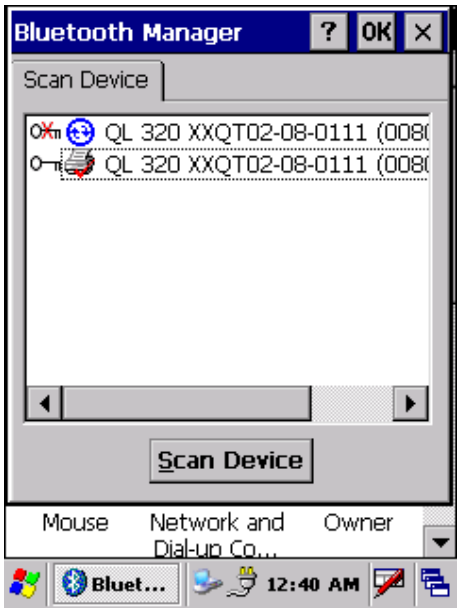


7. Depending on your setup, select Yes or No. In Unitech's testing, select No, for example.

8. Double tap the printer icon again to get the context menu and uncheck Authenticate and Encrypt. Then check Active. NOTE: For each check or uncheck, you need to open the context menu again.



9. After the BT printer connection is complete, the printer icon should be displayed with a red check mark in it.

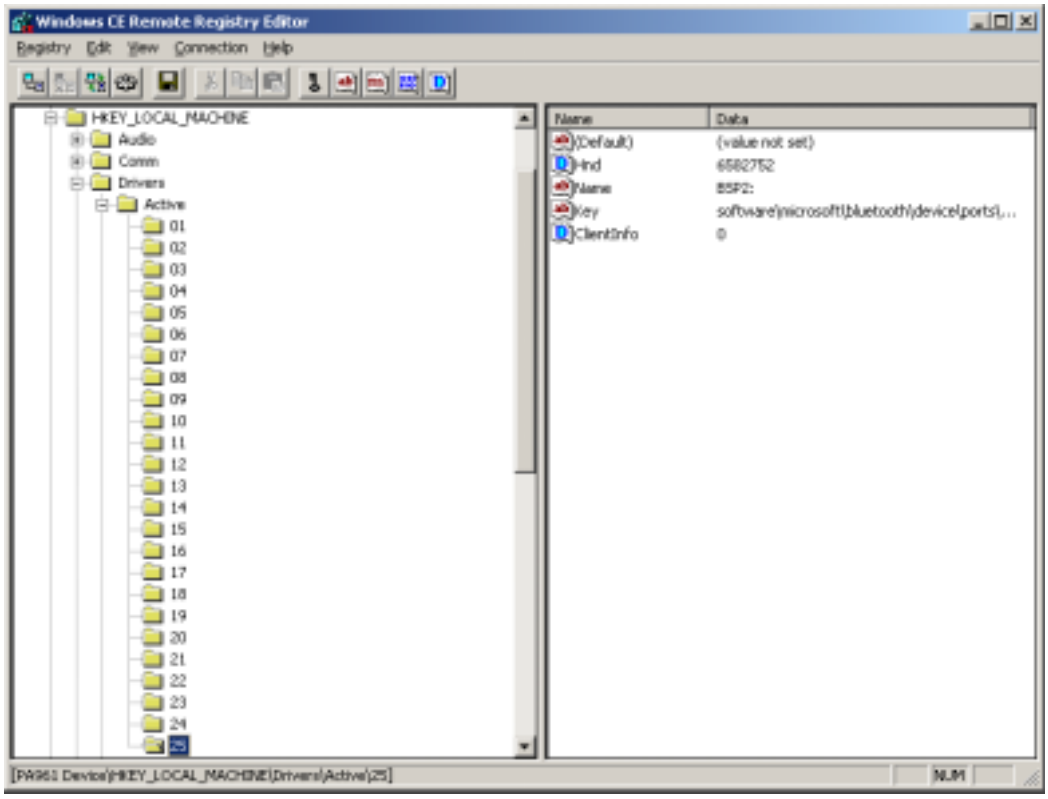


10. The COM port used for the serial profile on the Socket BT card can be found in the PA970 registry, under the following key:

HKEY_LOCAL_MACHINE\Drivers\Active\<X>

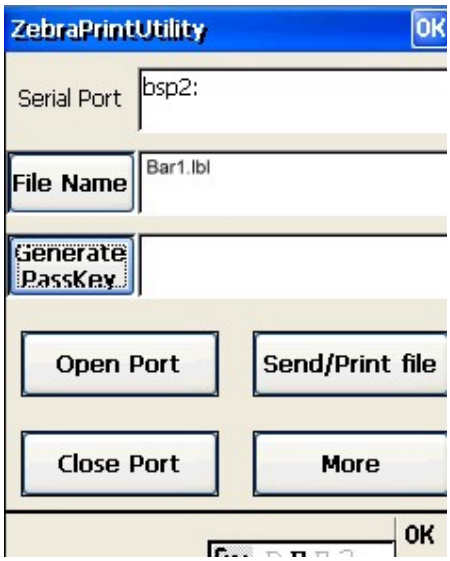
Where <X> is one of the highest available key numbers. Look for a key that has a “Name” value which is a string starting with “BSP”.

Use the Remote Registry Editor of Microsoft (included in eVC++ V4.0) or the Registry Viewer at the device (located \Windows\RegView.exe)



11. In the example displayed above, the COM port for the BT serial profile is BSP2:

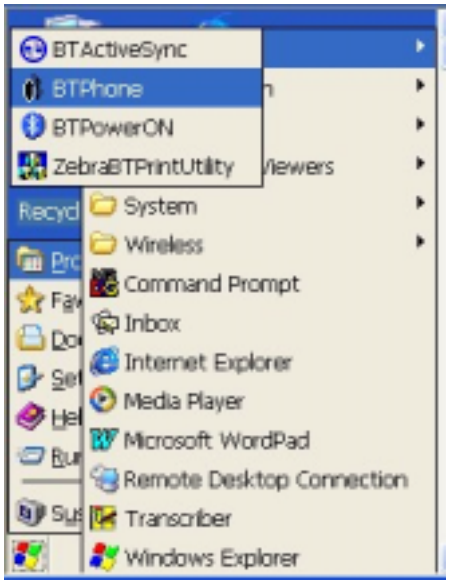
12. On /Start/Program/Bluetooth, select “ZebraBTPrintUtility”. Enter Serial Port, File name etc. Tap Open port and print file.



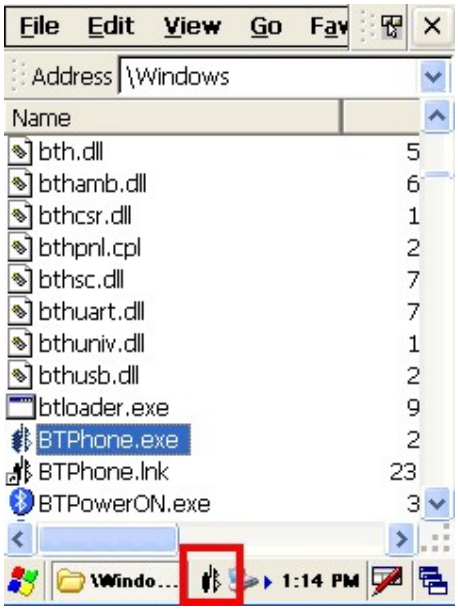
6.2.2. Connect to Bluetooth Mobile Phone

This tool allow you to make synchronization with your bluetooth mobile phone.

1. Double tap "/Start/Program/Bluetooth/BTPhone".



2. Double tap the icon on the taskbar.



3. Tap “Inquiry”. Once the bluetooth phone is found, select it and tap “OK”.

4. Enter the channel. Tap OK.

5. Bluetooth phone running. You may check “Authr”, “Encrypt” or “LAN AP”.

Test Connection

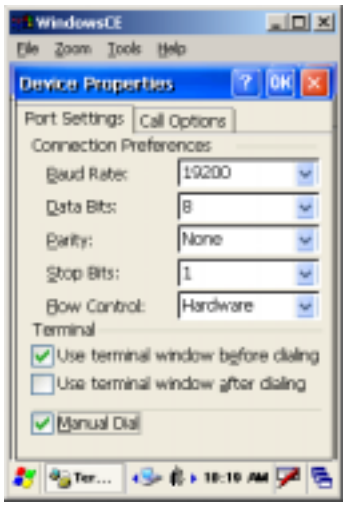
1. Select Start\Programs\Communication\Terminal.

2. Tap “Make new session”.

3. At “Select a Modem”, select “BlueTooth DUN”.

4. Enter any number for the phone number.

5. Tap Configure. Check “Enable Use terminal window before dialing” and “Enable Manual Dial”. Tap OK and tap OK again to exit new session.



6. The passkey might be required (Depend on your bluetooth device) . The passkey must be the same at bluetooth device and your terminal.

7. A window will be opened where data can be sent directly to the other device.

(This case demonstrated with BlueTooth connection to mobile Phone. Similar way can be used to print ASCII text to printer)

Modem Dial up Connection

Modem Dialup Connection is typically in combination with a Mobile (GPRS) GSM telephone.

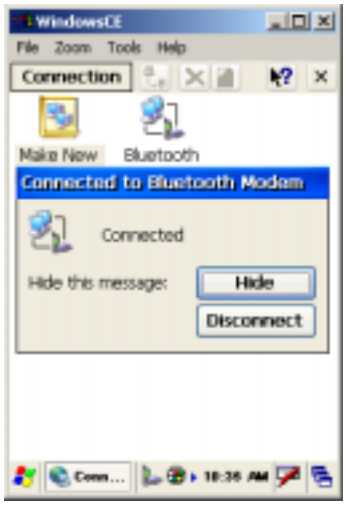
1. Select Start\Setting\Network and Dial-up Connections

2. Double tap the Bluetooth Modem connection (which is already pre-created by the BTPhone application)

3. Check the Phone number and enter ID and password.

4. Tap Connect.

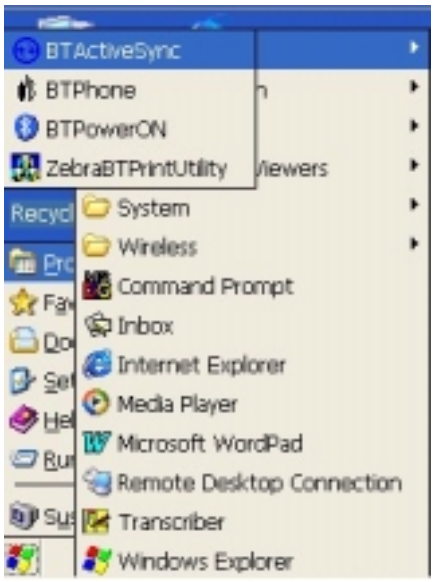
5. After Dialing and Authorization, the connection should be established.



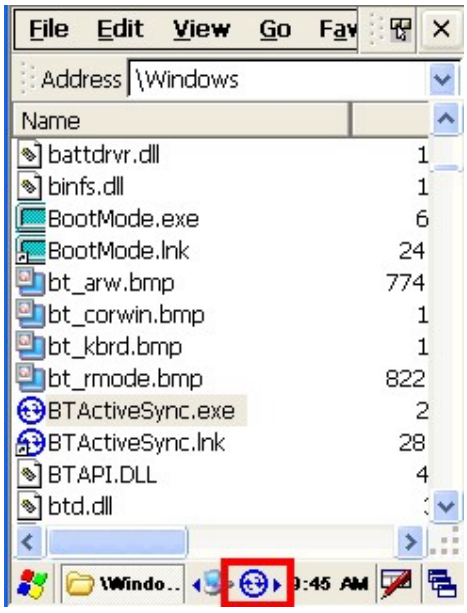
6.2.3. Connect on Bluetooth Activesync

This tool allow you to make synchronization with your remote device thru the bluetooth activesync.
(On host's Activesync connection setting, select the appropriate com port for bluetooth dongle)

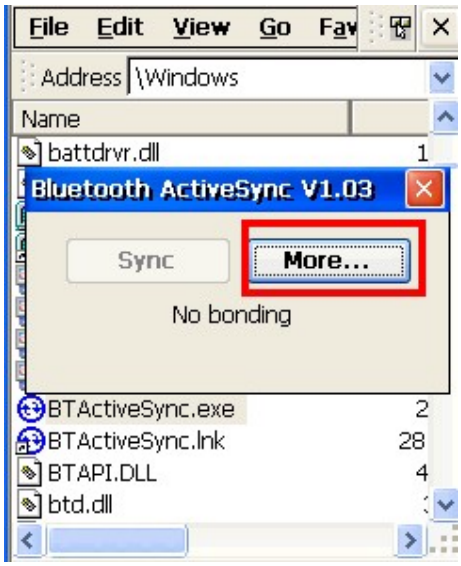
1. Double tap "/Start/Program/Bluetooth/BTActiveSync".



2. An icon appear on the taskbar. Double tap the icon.



3. You will see Activesync window pop up. Tap “More”.



4. Tap “Inquiry” to search for bluetooth devices.

5. Once the device is found, select the device and tap “OK”.

You may tap “Stop” if you want to terminate the inquiry.

6. Enter the Channel.

7. Start synchronization.

8. To sync to another device, tap “More” and repeat step 6 ~ 7.

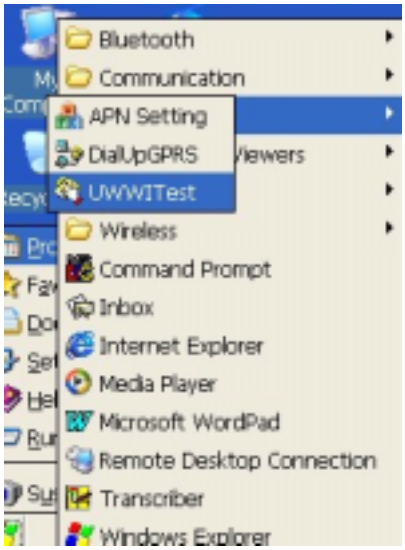
9. Tap “Exit” to close bluetooth activesync.

Note: Make sure you select the correct bluetooth com port for your host’s activesync connection.

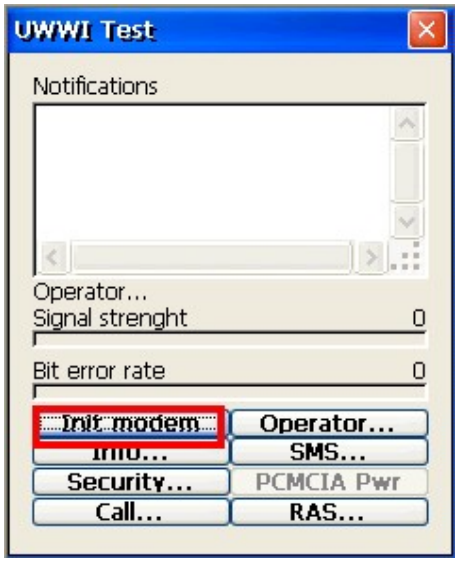
6.3 GPRS Module

1. Plug in your sim card into the terminal.

2. On /Start/Program/GPRS, tap “UWWI”.

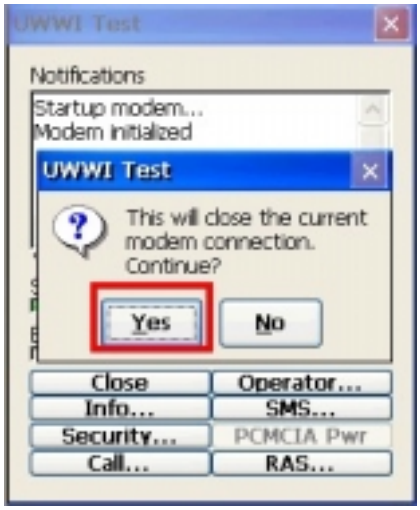


3. Tap “Init Modem”. Wait until modem is initialized.



4. Tap “RAS”.

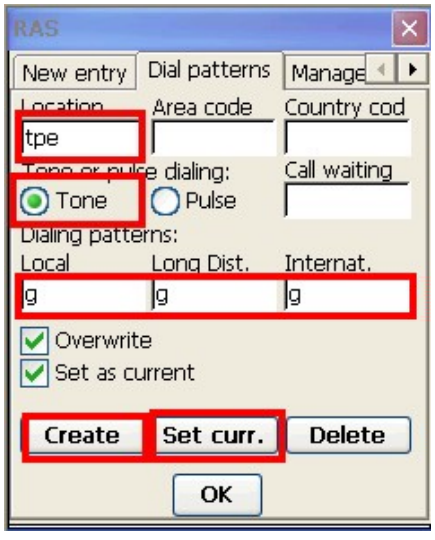
5. This will close the current modem connection, continue? Tap “Yes”.



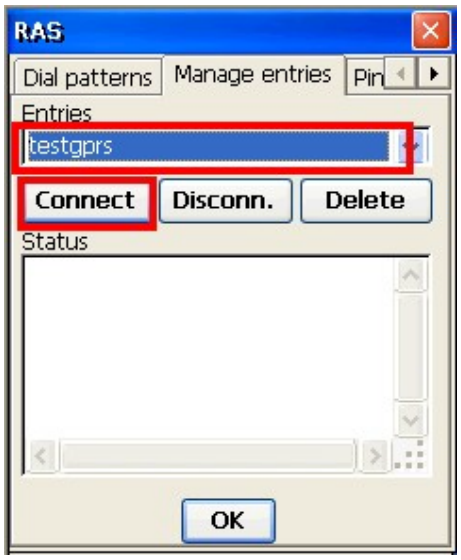
6. Under “New entry”, enter a name for Entry. For Phone no, enter the phone number, for APN name, enter the APN. Tap Create.

7. RAS entry created. Tap OK.

8. Tap “Dial Patterns” tab, for location, enter a name. Select Tone dialing, For Dialing Patterns, enter “g” for local, Long Dist, and internat. Tap “Create”, tap “Set curr”.



9. Under “Manage entries”, select the entry you created. Tap Connect.



10. Connected. You can link to network now.

Note: Leave UWWI open. Do not close it, otherwise the GPRS will be disconnected.